

# Florida Avenue Market Study

WASHINGTON DC  
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SMALL AREA PLAN

VOLUME II, Appendix A & B



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## Table of Contents

### Appendix A

History of the Union Terminal Market

### Appendix B

Florida Avenue Market Phase 2 IMPLAN Market Impacts Report

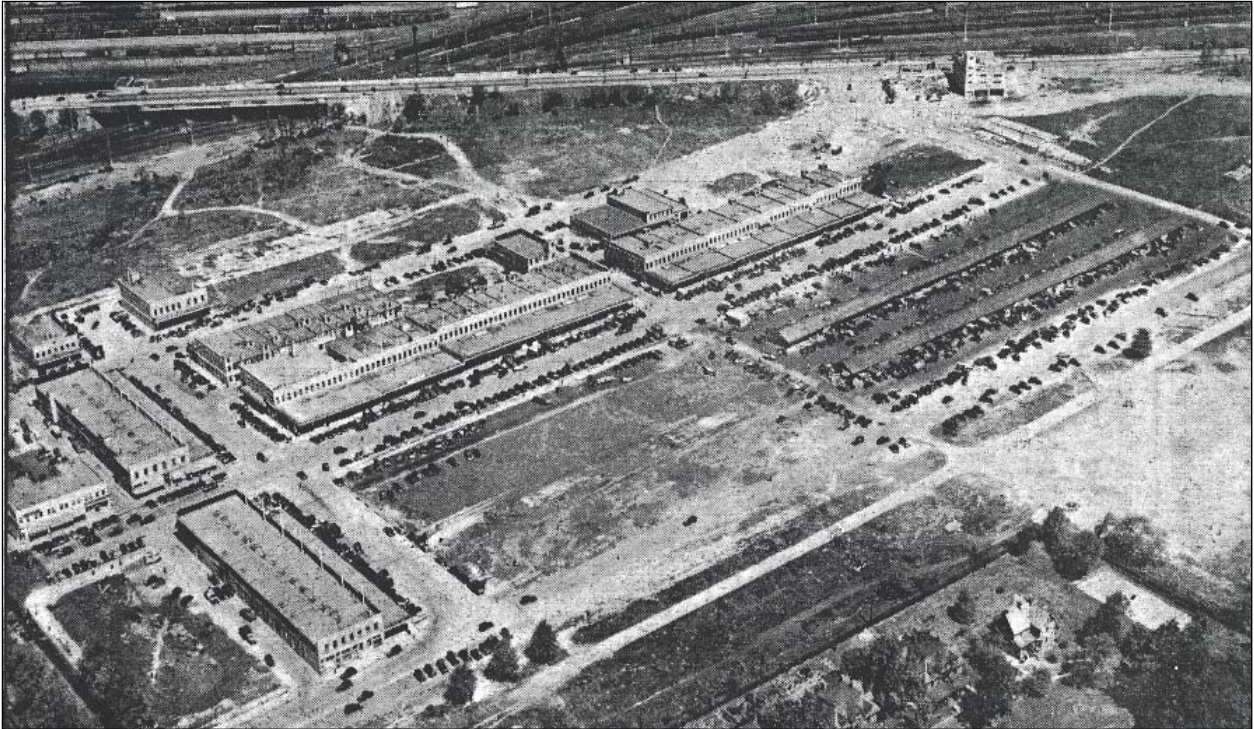


## Appendix A

History of the Union Terminal Market  
See Volume II



# HISTORY OF UNION TERMINAL MARKET



**Union Terminal Market – 1938**

*Source: the Washington Post*

## FLORIDA AVENUE MARKET STUDY

Prepared by EHT Traceries, Inc.

Prepared for CORE Architecture + Design

October 2008

## EXECUTIVE SUMMARY

Since the city's inception, public markets have occupied a central role in the lives of Washingtonians. Through the mid-twentieth century, public markets supplied the District's households and businesses with fresh produce, meat and other foodstuffs on a daily basis. The city's first public market, Center Market, was built in 1802. In its heyday, Center Market accommodated over a thousand vegetable, meat, and fish vendors. Commission houses—privately owned warehouses—were also clustered near Center Market. The commission houses primarily served commercial operations such as stores, restaurants, and hotels. The farmers' market in Center Market enjoyed reciprocity with the commission houses. Although the farmers could not provide a steady supply of produce year round, the commission houses ensured that large purchasers would continue to shop at Center Market.

In 1926, the Public Buildings Act called for the redevelopment of Federal Triangle area, which encompassed Center Market. Although the market's stalls bustled, the surrounding area had fallen on hard times. Following the act, Congress directed the Commissioners of the District of Columbia to study potential sites for a new farmers' market. A central concern of the Commissioners was that the farmers' market and wholesale industry be preserved in a single location. The Commissioners sought a centrally-located site with proximity to highways, railroads, and waterways. These criteria led the Commissioners to select a site on the blocks bounded by Tenth and Eleventh Streets and E and G Streets in Southwest Washington, D.C.

The Commissioners' recommendation sparked great controversy on Capitol Hill. Maryland farmers favored a site closer to their fields and lobbied Congress to select a site in Northeast D.C. Neighborhood organizations also joined the fray. The Midcity Citizens' Association argued that, "In order to reach this Southwest farmers' market, one would have to go through the congested city...The farmers' market should be placed where the people will go" Despite these objections, a bill was advanced in 1928 to procure the Southwest site. The proposal set off rounds of rancorous debate in the House and Senate. All told, it took more than a year for the bill to become law.

While Congress debated the merits of the Southwest site, a group of commission merchants began acting on their own accord to secure a location for a private wholesale market. In 1928, the federation announced that they had purchased forty acres of land bounded by Florida Avenue, NE on the south, Sixth Street, NE on the east, Penn Street, NE on the north and the railroad right-of-way to the west. This land, located on the Patterson Tract, provided easy access to the railroad freight yards northeast of Union Station. The group of commission merchants, later known as the Union Terminal Market Association, announced that the market would encompass "40 stores of the most modern design and equipment." Construction of the one million dollar private development began in 1929 under the supervision of local architect E. L. Bullock.

The buildings designed by Bullock are two-story buff brick buildings in a strict Classical style. The buildings are characterized by their overall symmetry and Classical details. Bullock's design was easily replicated and arranged in multiples to form a continuous building the length of each block. The typical building has a covered loading area supported by Doric columns. An arcade connects the continuous line of loading areas. The standard bay for the buildings, the area between the columns at the arcade, defines ownership and tenancy. The typical second story features three symmetrically-placed windows (originally six-over-six metal frame windows) topped with concrete bas-reliefs. The effect of the building design is realized in the repetition of the building type throughout an entire block where a sense of order and master planning are evident.

In January of 1930, the Maryland and Virginia Farmers' Marketing Association voted to follow the commission merchants to the Union Market Terminal. Subsequently, the Union Market Terminal Association constructed a concrete shelter on a five acre tract adjacent to the market. The sheds accommodated over two hundred vendors. The Union Terminal Market officially opened on February 15<sup>th</sup>, 1931. *The Evening Star* described the layout and amenities of the new market: "Ample space is provided for the immediate needs of wholesalers...Wide streets are being provided to handle present and future traffic. Extensive parking will be available. The market's proximity to the

center of population, the railroad facilities, the economic distribution factors and the buildings are regarded as valuable assets.”

The 1932 *Boyd's City Directory* lists the types of operations that constituted the market in its early days. In 1932, the Union Terminal Market included least twenty-seven produce vendors, seven meat vendors, four delicatessens, two wholesale confectionary companies, and several merchants specializing in eggs and fish. Throughout the 1930s, the construction of wholesale operations continued in the market. This second phase of construction was characterized by smaller buildings with separate architects. However, the design of these buildings was heavily influenced by the design of the market's original buildings.

For three decades, the farmers' market continued to operate near the wholesale market, much as it had done at Center Market. In the era of urban renewal, however, city officials came to see this timeless method of food distribution as a public health threat. In 1962, a health inspector found that “hot weather, fast breeding flies and filthy conditions have brought the threat of disease to the market.” Consequently, the city restricted sales in the farmers' market to fresh fruit and vegetables. The market management warned, “If people can't get meat and eggs here, they aren't going to come here at all.” Soon after the ban went into effect, *The Washington Post* reported that the farmers' market looked like a graveyard. In 1964, the land was sold from underneath the moribund farmers' market. The dismantling of the Union Terminal farmers' market marked the end of an era in Washington. In 1967, a modern (and sanitary) building was constructed in the Union Terminal Market to replace what had been the last outdoor farmers' market in the city.

Despite the turbulence surrounding the farmers' market, wholesale operations at the Union Terminal Market continued to thrive. During the 1950s, new infill warehouses were constructed alongside the 1930s storefronts. In 1958, a U.S.D.A. report found that nearly all the major wholesalers in Washington D.C. were located in the Union Terminal Market. However, the market was entering a period of transition. Supermarkets were establishing their own distribution centers, thus diffusing the role of the Union Market Terminal. When the market was built, its “wide” streets were seen as a solution to a problem that had long plagued D.C.'s markets: congestion. But by the late twentieth century, tractor-trailers were jamming the Union Terminal Markets' streets. The market was also showing signs of a half a century of industrial use. Merchants began leaving the aging market for modern facilities in the suburbs.

In the early 1980s, the District purchased eight acres adjacent to the western boundary of the market. The investment was intended to stimulate the development of the wholesale food industry in the city. As part of the two million dollar economic development initiative, the District constructed a two hundred thousand square foot L-shaped building on the city-owned property. The auxiliary building was intended to enable businesses to expand their operations on-site rather than relocate to a suburban location. Many of the new food suppliers that moved into the expanded market space were owned by Chinese and Korean immigrants. At the same time, new immigrant-owned businesses were also moving into the old market as spaces were vacated. The influx of these diverse wholesalers kept the market fully occupied despite the flight of several large businesses.

The Union Terminal Market is a historically and architecturally significant place. Unlike the public markets that preceded it, the Union Terminal Market was developed by a private cooperative of wholesale merchants. The Union Terminal Market Association saw the market as a means to preserve and enhance the unique relationship that existed between wholesale and retail merchants at Center Market. The Union Terminal Market is also distinguished by its design. Unlike previous markets in D.C., the Union Terminal Market is not encompassed in a single building. The historic core of the Union Terminal market is comprised of five blocks lined with two-story buff brick buildings. The repetition of E. L. Bullock's Classical design gives the market an architectural rhythm and sense of cohesion. The design and importance of the market in the history and development of the District of Columbia warrants the preservation of significant structures within the Union Market Terminal. Additionally, the architectural and historic significance of the original market buildings could qualify the Union Terminal Market for listing on the National Register of Historic Places.

## INTRODUCTION

Union Terminal Market\* is a wholesale and retail food market located in the Northeast section of Washington, D.C. The market consists of the approximately forty acres of land bounded by Florida Avenue, NE on the south, Sixth Street, NE on the east, Penn Street, NE on the north and the railroad right-of-way to the west. The site is immediately south of one of the highest points along New York Avenue and provides dramatic views of the United States Capitol Building. While the Union Terminal Market evolved out of the Washington D.C.'s first public market, it serves a unique function. Since 1931, Union Terminal Market has supplied foodstuffs to stores, restaurants, hotels and other wholesale customers. The market was also the site of the D.C. Farmers' Market which provided fresh produce, meat and dairy products to households and wholesalers. Unlike the city's other public marketplaces, the Union Terminal Market was built and operated by a private cooperative. The strict Classical style warehouses constructed under the cooperative's master plan creates a unique sense of place in the Union Terminal Market. Presently, the market retains many of its character-defining architectural features. The distinctive wholesale merchants also contribute to the market's sense of place and history.

## D.C. PUBLIC MARKETS

Since the city's inception, public markets have occupied a central role in the lives of Washingtonians. Through the mid-twentieth century, public markets supplied households, stores and restaurants with fresh fruit, vegetables, meat, dairy, and other foodstuffs on a daily basis. The early planners of Washington, D.C. recognized the crucial need for markets. Thomas Jefferson included market houses in his list of requirements for the new capital. In his plan for the city, Pierre L'Enfant provided for market spaces and a system of canals that would "facilitate a conveyance, which will be of the utmost convenience to all trading people, and the supplies of the city by markets." In 1797, President George Washington personally selected the first public reservations to be set aside for markets. During Washington, D.C.'s first decades, market days were held on President's Square, opposite the White House. However, the city lacked a proper market house until the construction of Center Market in 1802.<sup>1</sup> As the city grew, other large government-owned market houses were built to feed a growing population: O Street Market, Western Market, the Municipal Fish Market, Georgetown Market and Eastern Market.<sup>2</sup>

In her seminal work Washington: A History of the Capital, Constance McLaughlin Green described the centrality of the public markets to late nineteenth-century Washingtonians:

The public market, patronized by society matrons as regularly as boardinghouse keepers and economical housewives, was [a] Washington institution. On market day elegant ladies descended from carriages driven by stove-piped-hatted...coachmen and, trailed by a retainer carrying a basket, made the rounds of the stalls at the Centre Market to select the fresh fruits and vegetables, the eggs and chickens, or the woodcock, wild duck and other delicacies of the season. There rich and poor rubbed elbows while chatting with the vendors and remarking on the weather to acquaintances. The true Washingtonian regarded marketing in person as much as part of well-ordered living as making calls or serving hot chocolate to morning visitors.<sup>3</sup>

\* Over the years the market has gone by several names: Union Terminal Market (or Union Market Terminal), Florida Avenue Market, and Capital City Market. For the sake of consistency, this narrative will use the original name: Union Terminal Market.

<sup>1</sup> Suzanne Ganschietz, "Eastern Market National Register of Historic Places Inventory Nomination Form" (Washington, D.C.: The National Park Service, 1971), Section 8, 1; Elizabeth S. Kite, L'Enfant and Washington (Baltimore: The John Hopkins Press, 1929), 55.

<sup>2</sup> James M. Goode, Capital Losses (Washington D.C.: Smithsonian Institution, 2003), 302-303.

<sup>3</sup> Constance McLaughlin Green, Washington: A History of the Capital, 1880-1950 (Princeton: Princeton University Press, 1962), Volume 2, 79-80.

The emergence of supermarkets in the mid-twentieth century, coupled with development pressures on valuable real estate occupied by the markets, forced most of the District's public markets to close (only Eastern Market retains its historic function). The history of D.C. public markets is akin to the history of public markets located in major cities throughout the United States. While many public markets were closed or torn down nationwide, some of these markets are enjoying rebirths as the focal points of downtown economic and community development initiatives. Columbus, Ohio's North Market (established in 1876), Philadelphia's Reading Terminal (1893), Seattle's Pike Place (1907), and Washington D.C.'s own Eastern Market (1871) are a few renowned examples.<sup>4</sup>

## CENTER MARKET

The precursor to Union Terminal Market was Center Market, which was located in the square bounded by Pennsylvania and Constitution Avenues and Seventh and Ninth Streets, NW. A market had been located on this site since 1802 when a group of concerned citizens decided to create a more sanitary alternative to the city's early farmers' markets. In 1872, the District constructed a substantial Victorian structure to provide Washingtonians with the most modern food market in the nation. Designed by Adolph Cluss, the massive Center Market was adorned by romantic towers and brick ornamentation (Figure 1). The building was further expanded in the 1880s to accommodate a thousand vegetable, meat, and fish vendors. Over three hundred farm wagons on B Street also sold produce directly to shoppers on the sidewalk.<sup>5</sup>



**Figure 1: Center Market**

*Source: National Museum of American History Transportation Collection*

In addition to hosting farmers' stalls, Center Market served an important wholesale function. Commission houses, privately owned warehouses, were clustered immediately east of Center Market between Sixth and Seventh Streets and B Street (Constitution Avenue) and Louisiana Avenue, NW. Operated by "commission men," these wholesale operations dealt in large quantities of food including fruits and vegetables. The commission houses primarily served commercial operations such as stores, restaurants and hotels. The farmers in Center Market enjoyed reciprocity with

<sup>4</sup> Project for Public Spaces, "Benefits of Markets," n.d. <[http://www.pps.org/markets/info/markets\\_program](http://www.pps.org/markets/info/markets_program)> (16 October 2008)

<sup>5</sup> Goode, *Capital Losses*, 303.

the commission men. Large clients would shop at both the farmers' market and the commission houses. Although the farmers could not provide a steady supply of produce year round, the commission houses ensured that large purchasers would continue to shop at Center Market.<sup>6</sup>

## A WHOLESALE DEBATE

The Public Buildings Act of 1926 provided fifty million dollars for the construction of civic buildings in the District of Columbia. Half of the appropriation was to be spent on the construction of the massive Federal Triangle project. The seventy acre redevelopment site was defined by the right triangle formed by the Mall, Pennsylvania Avenue, and the White House-Washington Monument Axis. The area, which encompassed Center Market, was viewed as blighted. Frequent flooding had discouraged previous attempts to site public buildings in the low-lying area. Although the Center Market stalls bustled, the area had fallen on hard times and the surrounding residential area was diminished. The Treasury and city planners set out to remake Federal Triangle into a harmonious setting that would instill civic pride. Accordingly, the Treasury appropriated the Capital Market site for the National Archives Building.<sup>7</sup>

In March 1927, Congress directed the Commissioners of the District of Columbia to study potential sites for a new farmers' market. A central concern of the Commissioners was that the farmers' market and wholesale industry be preserved in a single location. Large wholesale customers depended on the variety and consistency of produce that could be provided by both the farmers and commission merchants. In their report to Congress, the Commissioners quoted a study of markets in New York City: "Buyers dislike to purchase without a fairly thorough canvass of the quality and price of the offering. Scattering the market complicates their task enormously. The supply and demand are so variable and the goods themselves are so highly perishable that the only satisfactory solution of the price problem is through a high degree of concentration."<sup>8</sup>

The Commissioners recommended that the farmers' market be temporarily relocated to a site between Sixth and Seventh Streets on the north side of the Mall. Following the proposed temporary relocation, the Commissioners advocated for the acquisition of a permanent wholesale market on Squares 354 and 355 (the blocks bounded by Tenth and Eleventh and E and G Streets SW), referred to as "Southwest Site No. 1." The Commissioners considered several factors in selecting a site: proximity to highways and parking, access to railroads or waterways, centrality, and the cost of land. Although the Commissioners considered alternative sites in Anacostia, Mid-City (Fourth and K Streets, NW) and multiple sites in Eckington, they concluded that "Southwest site No. 1 has the preponderance of advantages in that greater railroad facilities exist and that water transportation is present. Cold storage facilities are already available as well as a railroad produce terminal on an adjacent site. The municipal fish market is already established one block away from the proposed site. This would be a convenient location for the Virginia Farmers as well as the Maryland Farmers except those coming directly from the north."<sup>9</sup>

In January 1928, a coalition of Maryland farmers railed against the Commissioners' recommendation. The Maryland farmers refuted the advantages of Southwest Site No. 1 stating, "That of 14,000 acres producing fresh vegetables for the Washington market, 11,000 acres lie in Maryland. Only a small proportion of the space holders in the present farmers' market site would benefit by its establishment in the Southwest." The farmers favored a site closer to their fields and lobbied Congress to select a site between New York and Florida Avenues and North Capitol and First Streets.<sup>10</sup> Neighborhood organizations joined the fray. The Northeast Citizens Association did not agree with the

<sup>6</sup> Kim Williams, "History of Union Market Terminal," (DC Historic Preservation Office: 2005), 2.

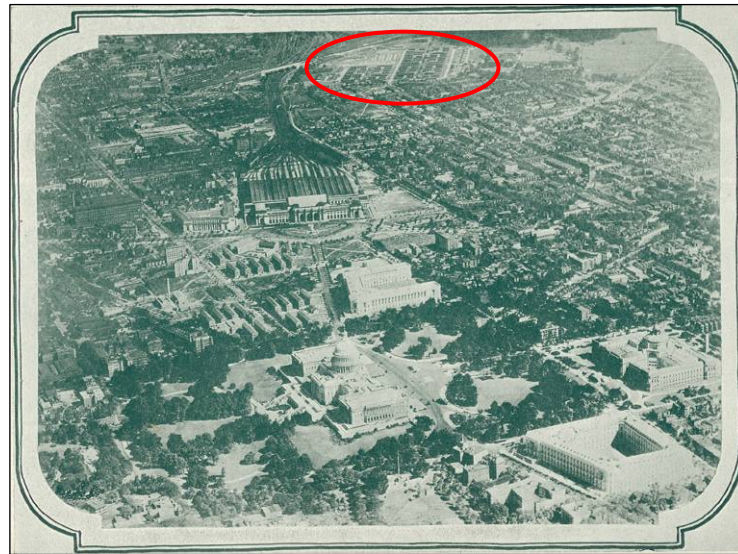
<sup>7</sup> Frederick Gutheim, *Worthy of A Nation* (Washington, D.C.: The Smithsonian Institution, 1977), 159, 174-176.

<sup>8</sup> "Farmers' Produce Market in District of Columbia," 70<sup>th</sup> Congress, 1<sup>st</sup> Session (16 December 1927), House of Representatives Document No. 119.

<sup>9</sup> "Acquisition of a Site for the Wholesale Farmers' Produce Market," 70<sup>th</sup> Congress, 1<sup>st</sup> Session (26 January 1928), House of Representatives Report No. 451.

<sup>10</sup> "Farmers Approve Eckington Market," *The Evening Star*, 31 January 1928.

farmers' preference for the Eckington site; the Association preferred that parcel be used as a park.<sup>11</sup> The Midcity Citizens' Association endorsed a site in its own neighborhood. The President of the Midcity Citizens' Association argued, "The buying public lives in the Northwest section, and a large majority of the stores patronizing the farmers' market are in the Northwest section." He continued, "In order to reach this Southwest farmers' market, one would have to go through the congested city...The farmers' market should be placed where the people will go. You cannot force the people to go out of their way to buy."<sup>12</sup>



**Figure 2: An Aerial View of Northwest Washington from 1927 (the future site of Union Terminal Market is circled)**  
*Source: Aerial Book of Washington*

The Bureau of Efficiency concurred with the farmers' and neighborhood organizations' concerns. In a voluminous seventy-two page report to the District of Columbia Subcommittee, the Bureau recommended that the Farmers' Market be located north of Pennsylvania Avenue. "If the Farmers' Produce Market is to serve the people, it should be placed as to be convenient to them," the report stated. "Four-fifths of the entire population of the District of Columbia live north of Pennsylvania Avenue." The Bureau raised the concern that locating the market away from the center of population would strip the market of its retail function. The unique combination of wholesale and retail embodied by Center Market was threatened by the location debate.<sup>13</sup> This threat promoted the Federation of Citizen's Associations to decry the use of taxpayer funds to establish a wholesale market in the District. In a resolution passed in April 1928, the Federation told the Commissioners and Congress that "the 'wholesale' system of farmers' market plan denied consumers any financial benefit."<sup>14</sup>

In February 1928, Congress attempted to put an end to two years of uncertainty regarding the future of the farmers' market. A bill was advanced to procure Southwest Site No. 1, which set off a rancorous debate on the floor of the House of Representatives. Charges of acquiescence to special interests and the railroad lobby were exchanged back and forth during the heated exchange. The *Evening Star* described the proceedings as "one of the most vexatious days in the House for some time as it was extremely difficult to for Representative Reddy, who was presiding in the committee as a whole, to prevent a half dozen or more persons talking at one time." Several Congressmen attempted to scuttle the bill by proposing amendments to shift the location to Eckington or other sites across the District. These efforts failed, and the bill ultimately passed the House. Subsequently, the contentious

<sup>11</sup> "Northeast Citizens Urge Midcity Site," *The Evening Star*, 14 February 1928.

<sup>12</sup> "Midcity Market Site is Held Best," *The Evening Star*, 29 January 1928.

<sup>13</sup> "North of Avenue Market Favored," *The Washington Post*, 29 January 1928.

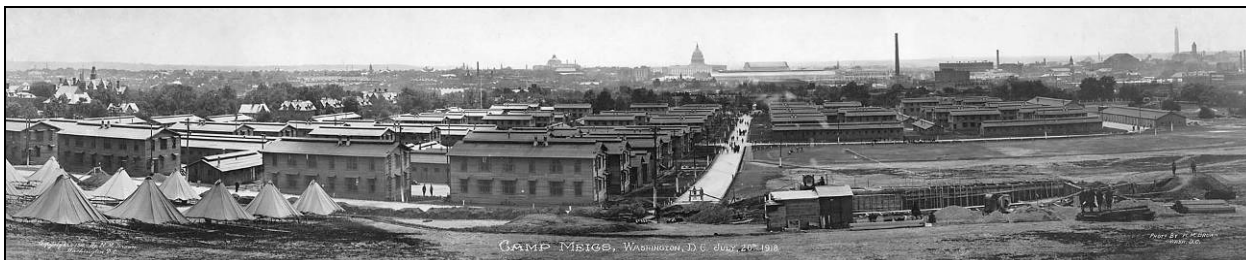
<sup>14</sup> "Federation Hits Plan for Market," *The Evening Star*, 1 April 1928.

debate carried over into the Senate. The fight in the Senate did not end until an amendment was rejected which would have made it impossible to acquire the site without approval of a Presidential commission. All told, it took more than a year for the bill to become law. In the end, the Commissioner's preference for the Southeast site won out over the concerns of the farmers, neighborhood associations, and efficiency experts.<sup>15</sup>

## THE PATTERSON TRACT

While Congress debated the merits of the Southwest site, a group of commission merchants began acting on their own accord to secure a location for a D.C. wholesale market. In 1928, the federation began negotiating to purchase a portion of the Patterson Tract, an eighty-six acre plat running north of Florida Avenue between the Baltimore and Ohio Railroad and Gallaudet University in the Northwest section of D.C.<sup>16</sup> The Patterson Tract was originally the site of the Brentwood estate, built by Washington's first Mayor, Robert Brent, as a wedding gift for his daughter, Eleanor Pearson. The Benjamin Latrobe-designed neoclassical mansion at Brentwood was a social center of the young city. Eleanor and Joseph Pearson (a Congressman from North Carolina) had one daughter, Elizabeth, who married Carlisle Pollock Patterson in the 1830s. Afterwards, the site became known as the Patterson Tract. The mansion was abandoned by the Patterson grandchildren and was destroyed by a fire in 1917.<sup>17</sup>

The Patterson Tract was used as a playfield for area youths until the U.S. government purchased the site. On October 18, 1917, the Army established Camp Meigs, the only troop mobilization point in the nation located in the heart of a city. Located adjacent to Gallaudet College, the encampment encompassed eighteen sets of barracks, six mess halls, administration buildings and a hospital (Figure 3). The barracks housed over a thousand men. According to *The Washington Post*, "Carpenters, machinists, expert tire repairers, iron molders and jacks of all trade come to Camp Meigs for military training. They are proficient in the respective trades, lacking only the military polish." Following their training, the mechanic units immediately embarked to France where "there will be plenty of work for them to do when they are attached to General Pershing's army on the Western Front."<sup>18</sup>



**Figure 3: Camp Meigs on the Patterson Tract**

*Source: National Archives and Records Administration, Records of the War Department*

Following the war, the Northwest Citizens' Association and the Washington Board of Trade embarked on a campaign to convert the Patterson Tract into a park. In 1925, the groups lobbied the House District Committee to purchase thirty acres of the plat from the wrecking company charged with disposing of the army buildings.<sup>19</sup> Initially the movement was unsuccessful as Camp Meigs was demolished to clear way for the first Hechinger Company lumberyard. (The Hechinger Company eventually grew into a large home improvement chain with more than two

<sup>15</sup> "House Approves Southwest Site," *The Evening Star*, 28 February 1928; "President Signs Bill for Market," *The Sunday Star*, 3 March 1929.

<sup>16</sup> "Merchants Ready to Buy Patterson Market Site," *The Washington Post*, 8 February 1928.

<sup>17</sup> Goode, *Capital Losses*, 22; Nancy Swartz, "H Street: A Neighborhood's Story, Part II," *Voice of the Hill*, February 2003, 12.

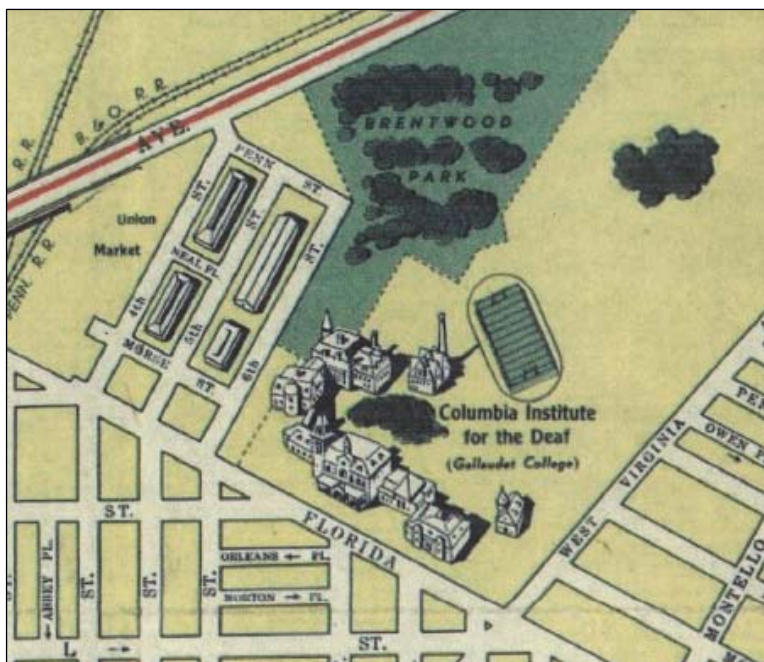
<sup>18</sup> "Camp in the Heart of City," *The Washington Post*, 16 December 1917.

<sup>19</sup> "Patterson Tract Park Proposal Aid Asked in Congress," *The Washington Post*, 21 December 1925.

hundred stores across the United States.)<sup>20</sup> Regardless, the park advocates persisted. In February of 1928, the National Parks and Planning Commission agreed to acquire the thirty acres of the Patterson Tract for use as Brentwood Park.<sup>21</sup>

## THE UNION TERMINAL MARKET

On August 11<sup>th</sup>, 1928, the association of commission merchants announced that they had purchased forty acres of the Patterson Tract. The group, later known as the Union Terminal Market Association, intended to build a private wholesale market on the site. Located adjacent to the Baltimore and Ohio Railroad northeast of Union Station, the market site provided easy access to the railroad freight yards. The association, which represented up to eighty-five percent of the total volume of fruit and vegetable commission in the city, announced that the market would encompass “40 stores of the most modern design and equipment.” In addition to the commission merchants, the market would provide space for a farmers’ market. Construction on the one million dollar private development commenced within a year. The local press attributed the overall design of the market to the Chicago architectural firm of Henschien and McLaren of Chicago. The firm’s plan called for the buildings to be “uniform in exterior design, two stories high...the development will be one of the best of its type in the country.”<sup>22</sup> The actual construction of the market buildings was to be overseen by local architect E. L. Bullock.



**Figure 4: The Patterson Tract with Gallaudet College, Brentwood Park and the Union Market**

*Source: A Pictorial Guide of Washington, D.C – 1942; Library of Congress Geography and Maps Division*

The contract to build the market buildings was awarded to the Charles H. Tompkins Company. Founded in 1911, the company was responsible for building scores of buildings around Washington including the United States Courthouse, the east and west executive offices of the White House, and the National Guard Armory. According to a

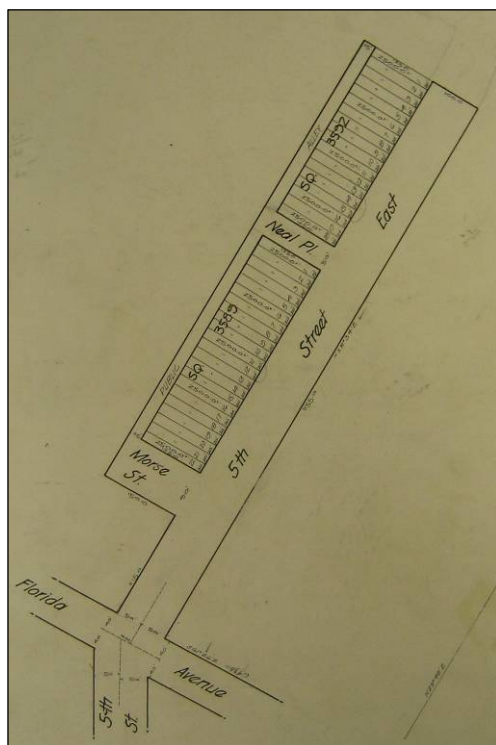
<sup>20</sup> Swartz, “H Street,” 12; Hechinger Company, “About Us,” n.d. <<http://www.hechinger.com/web/customerservice/aboutus.aspx>> (17 October 2008).

<sup>21</sup> “Park Board to Buy 30 Patterson Acres for Big Playground,” *The Washington Post*, 18 February 1928.

<sup>22</sup> “Plan Northeast Market Center,” *The Evening Star*, 12 August 1928; “Wholesale Market Center Construction Stars Soon,” *The Washington Post*, 5 January 1929.

1940 profile in *The Evening Star*, “Charles H. Tompkins can feel right at home whenever he walks into any of a host of buildings in and around Washington. He should—because he built them.” Tompkins was also a civic leader and benefactor to George Washington University. His wife, Lida, was a partner in the business—she was known as “the lady engineer.” She was a familiar sight on construction projects, supervising crews as they poured concrete or organizing facilities to house and feed workers. Together, Charles and Lida Tompkins were one of the country’s pre-eminent husband-and-wife business teams.<sup>23</sup>

The site for the Union Terminal Market was not brought under a single ownership entity. Instead, individual investors including Joseph Phillips, Thomas A. Cannon and William H. Harrison retained ownership of the various parcels.<sup>24</sup> Consequently, although the site design was conceived under a single master plan, it was subdivided according to the construction phases. The earliest survey, dated October 9<sup>th</sup>, 1928, shows the creation of Squares 3589 and 3592 as well as the dedication of land for public alleys, Fifth Street, Morse Street and Neal Place (Figure 5).<sup>25</sup> On October 15, 1929, the Charles H. Tompkins Co. submitted permits on behalf of several owners to build at 1270 to 1292 Fifth Street and 401 to 421 Morse Street. The permits described the future market buildings as brick, stone and reinforced concrete buildings for market use. The buildings measured either twenty by seventy feet or forty by seventy feet. Soon after, the Charles H. Tompkins Co. again applied for building permits on behalf of several owners build at 1300 to 1334 Fifth Street in the same design.<sup>26</sup>



**Figure 5: Survey for the Union Terminal Market – October 9<sup>th</sup>, 1928**

Source: D.C. Office of the Surveyor

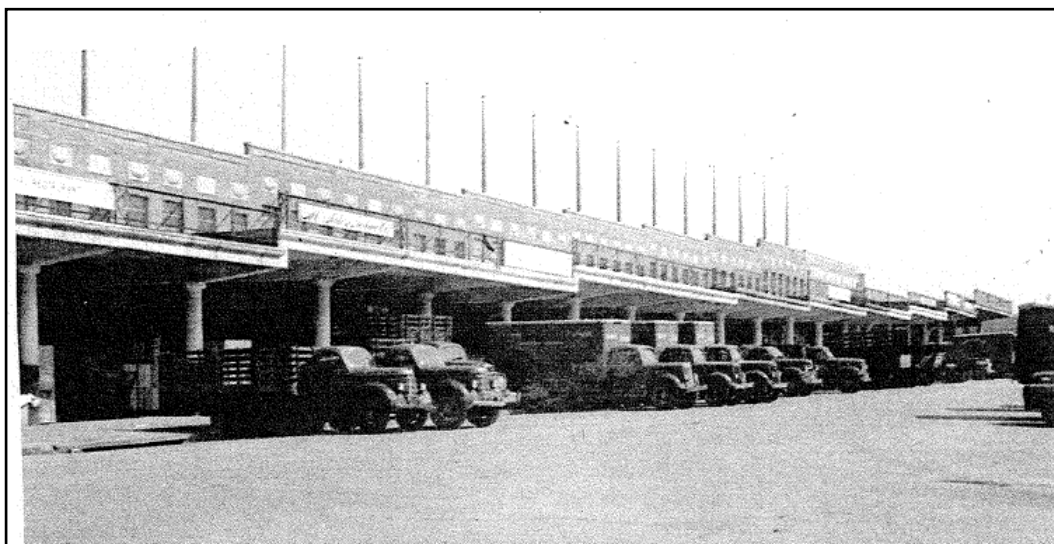
<sup>23</sup> “Charles Tompkins Dies; Builder and Civic Leader,” *The Evening Star*, 12 December 1956; “This Man Feels at Home in Hosts of D.C. Buildings,” *The Evening Star*, 4 August 1940; Mrs. C. H. Tompkins ‘Lady Engineer’ in Building Firm, Dies,” *The Evening Star*, 29 January 1953.

<sup>24</sup> “Wholesale Market Center Construction Stars Soon,” *The Washington Post*, 5 January 1929.

<sup>25</sup> D.C. Office of the Surveyor, “Squares 3589 and 3592,” 9 October, 1929.

<sup>26</sup> DC Building Permits No. 128156, 128159, 128160, 128161, 128162, 128163, 128164, 128166, 128238, 128240, 128241, 128242, 128243, 128248, 15 October 1929 – 17 October 1929.

The buildings designed by Bullock are two-story buff brick buildings in a strict Classical style (Figure 6). Bullock's design was easily replicated and arranged in multiples to form a continuous building the length of each block. The buildings are characterized by their overall symmetry and Classical details. The typical first story has a covered loading area supported by Doric columns made of reinforced concrete. An arcade connects the continuous line of loading areas and light was provided via pyramidal skylights. The standard bay for the buildings, the area between the columns at the arcade, defines ownership and tenancy. Each bay measured twenty feet wide, and could be joined with one or two others to create buildings ranging from forty to sixty feet wide. The depth of the buildings ranged from fifty-five feet deep on Morse Street to seventy feet deep on Fifth Street to seventy-two feet deep on Fourth Street. The slope of the site, downward slope from the northern portion of the site to the southern entrance, is reflected by the stepped line of the buildings along Fourth and Fifth Streets, NE.



**Figure 6: View in the Union Market – 1949**

*Source: Wymer Collection, Evening Star, Historical Society of Washington, D.C.*

The typical second story features three symmetrically-placed windows (originally six-over-six metal frame windows) topped with three concrete bas-reliefs (Figure 7). The concrete panels alternate between a classical garland and an undecorated panel. Above this decorative element is a recessed panel. The recessed panels distinguish the buildings and occur with the same frequency as the first floor bays. A parapet obscures the flat roof and is stepped according to changes in elevation. Some buildings feature a restrained concrete pediment. Slightly behind the parapet, in the center of each building, is a wood flagpole. The prominent 'Union Market' proclaims the markets' presence. The effect of the building design is realized in the repetition of the building type throughout an entire block where a sense of order and master planning are evident.

In January of 1930, the membership of the Maryland and Virginia Farmers' Marketing Association unanimously voted to follow the commission merchants to the Union Market Terminal. The action effectively sounded the death knell for Congress' southwest site.<sup>27</sup> The Union Market Terminal selected the William F. Brenizer Co. to construct a fifteen thousand dollar steel and concrete shelter on a five acre tract between Fifth, Sixth, and Penn Streets NE and Neal Street to house the farmers' stalls.<sup>28</sup> When the farmers' market opened soon after the wholesale center, over two hundred farmers signed applications for stalls.<sup>29</sup>

<sup>27</sup> "Farmers Endorse Union Market Site," *The Washington Post*, 16 January 1930.

<sup>28</sup> "Start due Today on New Farmers' Market Building," *The Washington Post*, 14 November 1930.

<sup>29</sup> "215 Farmers Sign For Space in New Market Terminal," *The Evening Star*, 24 February 1931.



**Figure 7: Second Story Window with Bas-relief**

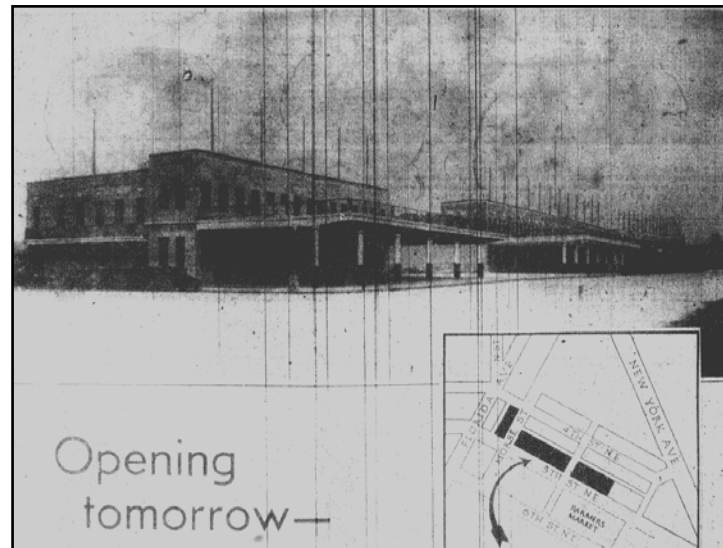
The construction along two blocks of Fifth Street and a single block along Morse Street continued until forty buildings were erected by opening day on February 15<sup>th</sup>, 1931 (A map depicting the chronology of construction at the market can be found on page 13). *The Evening Star* described the layout and amenities of the new market: “Ample space is provided for the immediate needs of wholesalers...Wide streets are being provided to handle present and future traffic. Extensive parking will be available. The market’s proximity to the center of population, the railroad facilities, the economic distribution factors and the buildings are regarded as valuable assets.”<sup>30</sup> An advertising section taken out in *The Washington Post* lauded the Union Market (Figure 8):

The new Union Market Terminal introduces a new chapter in the annals of wholesale food distribution in Washington. With its blocks of structures designed and constructed to provide the most economical, sanitary and efficient methods of handling and storing food produces, the new Union Market represents...a far cry indeed from the crowded jumble and traffic jams of ‘the old B Street Market [Center Market]’ to the expansive thoroughfares [sic] and broad canopies of this new wholesale food center...Visit this new food center, conceded to be one of the best planned markets of its kind in the country.”<sup>31</sup>

Following the opening of Union Terminal Market, the construction of wholesale operations continued along Fifth Street as well as Fourth Street and Morse Street. This second phase of construction was characterized by smaller buildings with separate architects. However, the design of these buildings was heavily influenced by the design of the market’s original buildings (they might even be attempts at replication). By the mid-1930s, buildings lined the northwest side of Fifth Street from Penn Street to Morse Street, the northeast side of Fourth Street from Neal Place to Morse Street and the south side of Morse Street from Fourth Street to Sixth Street.

<sup>30</sup> “New Union Market to Open Tomorrow,” *The Evening Star*, 15 February 1931.

<sup>31</sup> “The Union Market Terminal: Washington’s New Wholesale Food Center and Farmers’ Market,” advertisement in *The Washington Post*, 15 February 1931.



**Figure 8: Advertisement for Opening Day at Union Terminal Market**

Source: *The Washington Post*

The 1932 *Boyd's City Directory* provides a sense of the types of operations that constituted the market in its early days. In 1932, the Union Terminal Market included least twenty-seven produce vendors, seven meat vendors, four delicatessens, two wholesale confectionary companies, and several merchants specializing in eggs and fish. The wholesale business also included the DC Butter Company, the District Wholesale Grocery Co and the Capital Fruit Co. Beyond wholesale food businesses, the market boasted four restaurants, including the Union Market Restaurant. Other non-food related businesses included a branch of the Western Union Telegraph Co., the Oriental Paper & Bag Co., a Union Army & Navy Store and a barbershop.

The 1932 *Boyd's City Directory* also indicates how some of the buildings were used. For example, the barbershop was located between a wholesale produce dealer and the Union Army & Navy store. This suggests that non-food related businesses were not separated from the food-oriented businesses. Several businesses also shared a single warehouse space. In the building at 421 Morse Street, Hale Friedenbergl shared his deli space with the produce company of Smyrnas & Sons. Next door, at 423 Morse Street, four merchants shared a single warehouse. The sharing of space likely made it more feasible for merchants to enter the wholesale business by reducing overhead costs.<sup>32</sup>

By 1936, the market area had thirty-four produce dealers, fourteen meat merchants, nine poultry sellers, six grocers—including A. Litteri Inc., an Italian grocery store which remains in operation today—a sausage manufacturer, and seven restaurants, including A Little Tavern. In addition to food-related operations, there were at least three commission merchants firms, the Columbia Hardware Store, the barbershop, and an auto repair garage.<sup>33</sup> The success of the Union Terminal Market, and the need to manage growth, led the commission merchants to organize the Union Market Business Men's Association in 1933. The first Secretary-Manager of the Association, Judson Harrison, Jr. was elected in 1935.<sup>34</sup> Other organizations, including the Union Market Workmen's Compensation Clinic, the Union Terminal Social Club of Washington, D.C., and the Union Market Development Corporation were also formed to benefit the businesses and the workers that ran the market.<sup>35</sup>

<sup>32</sup> H.W. Boyd, *Boyd's Directory of the District of Columbia* (Washington, D.C.: H.W. Boyd, 1932).

<sup>33</sup> H.W. Boyd, *Boyd's Directory of the District of Columbia* (Washington, D.C.: H.W. Boyd, 1936).

<sup>34</sup> "Union Market Men Elect J.O. Harrison, Jr.," *The Washington Post*, 30 November 1935.

<sup>35</sup> Department of Consumer and Regulatory Affairs Business Regulation Administration Corporations Division, n.d. <<http://mblr.dc.gov/corp/>> (4 April 2007).

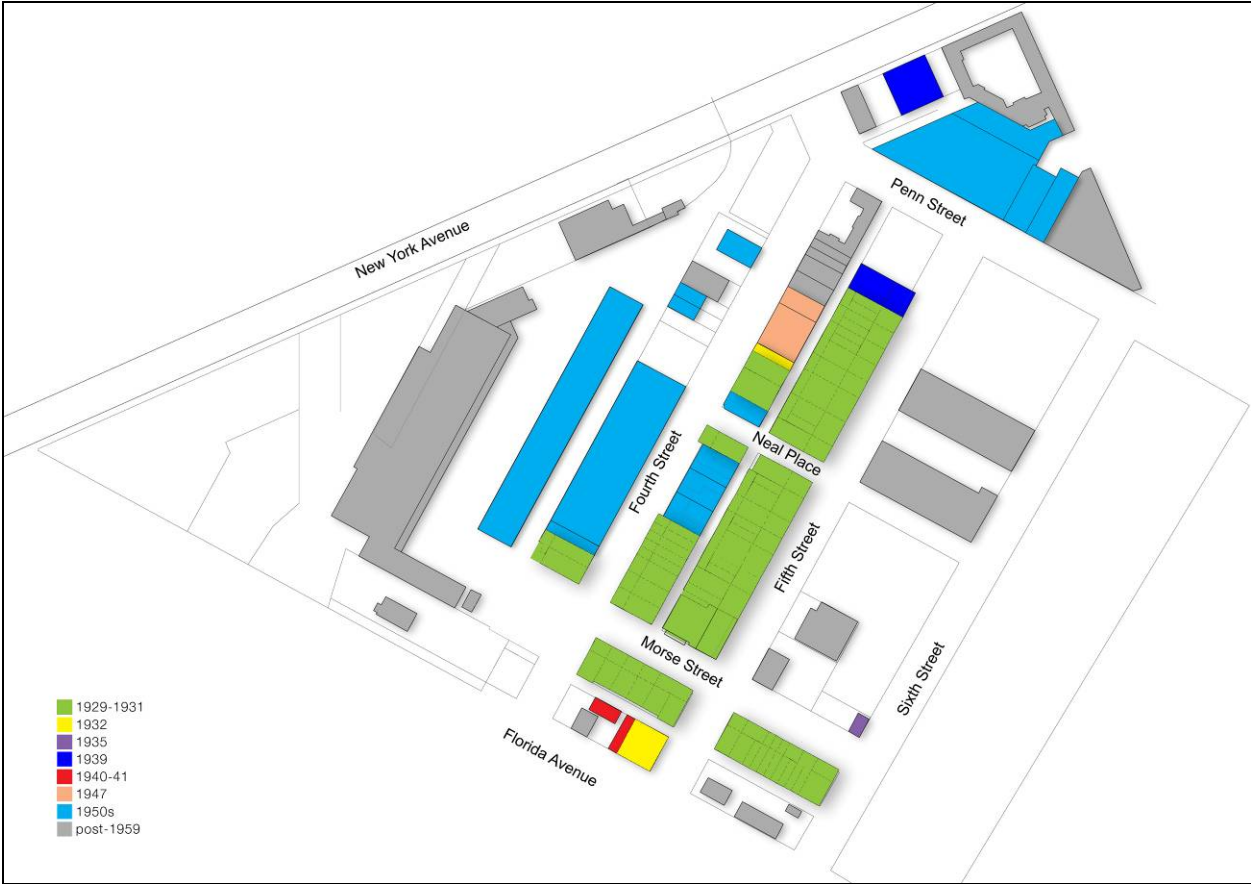


Figure 9: Chronology of Building Construction at Union Terminal Market



Figure 10: Union Terminal Market – 2007

## “CLEAN UP – OR ELSE”

For three decades, the farmers' market continued to operate near the wholesale market, much as it had done at Center Market (Figure 11). In the era of urban renewal, however, city officials came to see this timeless method of food distribution as a public health threat. In the late 1950s, city inspectors began warning the Union Terminal Market management about unsanitary conditions at the farmers' market including “inadequate refrigeration of perishables, lack of toilet facilities, poor drainage, and insufficient protection of foods from dust and feathers kicked up by poultry.” Judson Harrison responded that the farmers' market had been built before any city standards were in place. Nonetheless, the city demanded that the market take corrective action. A minor renovation of the market began in 1961, yet, to the irritation of the inspectors and the District Commissioners, the offending conditions persisted.<sup>36</sup>

In 1962, a D.C. Health Department official found that “hot weather, fast breeding flies and filthy conditions have brought the threat of disease to the market.” The official was dismayed by “the same old mishandling of food, storage on the ground where dogs can get at it and outdoor meat blocks exposed to the elements.” Harrison countered that in twelve years of managing the market, he had never heard of a single case of food poisoning. Furthermore, Harrison argued that the farmers, not the Union Terminal Market management, were responsible for ameliorating the unsafe conditions. The management team dragged its feet in implementing the required improvements, and the city threatened it with criminal prosecutions.<sup>37</sup>



**Figure 11: The Farmers' Market at the Union Market Terminal - 1939**

Source: Wymer Collection, *Evening Star*, Historical Society of Washington, D.C.

The fight over the farmers' market dragged on for years; in the parlance of the time it was referred to as a “cold war” between the inspectors and the Union Terminal Market. In 1964, the city ordered the market operators to clean up or close. To ensure compliance, the city restricted sales in the farmers' market to fresh fruit and vegetables. Harrison warned, “If people can't get meat and eggs here, they aren't going to come here at all.” The day after the city order was issued, *The Washington Post* reported that the farmers' market looked like a graveyard. “Along the lonely 565-foot concourse, empty meat cases lined up like sarcophagi. Here and there a vegetable merchant has set out his

<sup>36</sup> “Overhaul Has Begun At Farmers' Market,” *The Washington Post*, 23 August 1961.

<sup>37</sup> “D.C. Aide Calls NE Market Health Threat,” *The Washington Post*, 10 June 1962.

stand hoping to attract one or two buyers.” The paper opined, “...the European tradition of open-air markets, which is as old as Colonial time in America, threatens to become a quaint memory for Washingtonians.”<sup>38</sup>

Over the course of the next year, Harrison worked with the vendors and city in an attempt to resurrect that market. Although an agreement was tentatively reached in 1964, the land was abruptly sold from underneath the moribund farmers’ market. The trustees of the Winslow estate (who had previously leased the site to the Union Terminal Market Association) sold the four acre tract to William and Charles Cohen and Samuel Weinstein for nine hundred thousand dollars in 1965.<sup>39</sup> Soon after the sale, the Cohens and Weinstein announced their plans to build a modern (and sanitary) facility for the farmers’ market.



**Figure 12: The View in the Union Market - 1949**

Source: Wymer Collection, *Evening Star*, Historical Society of Washington, D.C.

In 1965, the farmers’ market developers proposed a four million dollar combination wholesale food and farmers’ market building at the intersection of Fifth Street and Neal Place NE. Up to seventy-five thousand square feet of the two hundred thousand square foot building would be devoted toward indoor farmer stands. William Cohen welcomed many of the merchants from the outdoor farmers’ market to relocate into the new D.C. Farmers’ Market Building. With Cohen’s announcement, the meat and poultry merchants dropped their appeal of the city’s ban on meat sales. The new complex opened on December 16, 1967. At the grand opening celebration, people lined up for hours to get special deals on ice cream, eggs, doughnuts, ground beef, pork chops and cigarettes.<sup>40</sup>

Despite the construction of the new marketplace, a few produce merchants protested their eviction from the outdoor sheds. After a court battle, Cohen agreed to accommodate the outdoor merchants on the northern portion of his land at the intersection of Penn Street and Sixth Street NE. The outdoor market continued operations at that site for the next decade. In 1975, Gallaudet University purchased the two-acre site for use as a storage yard for its trucks and maintenance equipments. The University had tripled enrollment since 1965 to nearly three thousand students and needed expansion space. Gallaudet fenced off the market area in January of 1976. With rents in the immediate vicinity rising, the produce farmers were left with no place to go.<sup>41</sup>

<sup>38</sup> “Open Air Market’s End Seen in Meat Ruling,” *The Washington Post*, 23 September 1964.

<sup>39</sup> “End of Farmers’ Market Seen,” *The Washington Post*, 2 September 1965; “Farmers Market Tract Sold; New Building Planned,” *The Washington Post*, 25 September 1965.

<sup>40</sup> “Farmers Market to Go for Big New Structure,” *The Evening Star*, 25 September 1965; Bernadette Carey, “Bargain Hunters Jam D.C. Farmers’ Market,” *The Washington Post*, 17 December 1967.

<sup>41</sup> “Produce Merchants Given New Quarters,” *The Washington Post*, 5 November 1966, B7; Leon Dash Washington, “Old Open-Air Farmers’ Market in NE to Close,” *The Washington Post*, 3 January 1976.

The dismantling of the Union Terminal farmers' market marked the end of an era in Washington. It had been the last outdoor market remaining since the Maine Avenue Market in Southwest D.C. was razed for urban renewal. The fight over unsanitary conditions at the farmers' market coincided with a shift in the way people shopped for food. Supermarkets were rapidly replacing public open-air markets as the place where households purchased groceries. Prior to the ban on meat sales, Harrison stated "Lots of people like to come here for the carnival atmosphere and the personal relationship they don't get in a supermarket. They can also get products here they can't find elsewhere. Have you every eaten a yellow tomato? When they're ripe they're the color of an orange. Or damsons [a type of plum], for preserving—you couldn't get those in any Safeway."<sup>42</sup> For better or worse, after 1976, Washingtonians visiting the Union Terminal Market were deprived of the "carnival atmosphere" and eccentricities of the outdoor farmers' market.



Figure 13: The D.C. Farmers' Market Building

## A MARKET IN FLUX

Despite the turbulence surrounding the retail-oriented farmers' market, the wholesale operations at the Union Terminal Market continued to thrive. During the 1950s, new infill warehouses were constructed alongside the 1930s storefronts along Fourth Street. Additional warehouses were also built across the street on Fourth Street between Neal Place and Morse Street. The 1950s buildings were designed at a larger scale than those of the previous construction phases. The warehouses from the 1950s are non-descript buildings of cinder block construction covered in vinyl siding. The warehouses were utilitarian structures with few architectural details.

In 1958, a marketing research report prepared by the U.S. Department of Agriculture found that nearly all the major wholesalers in Washington D.C. were located in the Union Terminal Market.<sup>43</sup> A 1961 profile of the market in *The Sunday Star Magazine* captured the verve of the mid-century wholesale operations at the Union Terminal Market:

<sup>42</sup> "Open Air Market's End Seen in Meat Ruling," *The Washington Post*, 23 September 1964.

<sup>43</sup> U.S.D.A. Economic Research Service, "Marketing Research Report No. 524," 1958 in Historical Society of Washington Markets Vertical Files.

Dawn filters through a city block of food-stuffed warehouses on Morse Street NE as a man picks up a phone and it sounds like a couple of horse players speaking bookie code: "Hello? Hi Gus. Ya, Gus. Good selection, Gus. Really good. Ya, I'll give ya 10 and 15 for 3..." These are the produce men dickering and selling lettuce, beans, bananas, carrots, apples to retailers...

The *Star* profile also recorded an industry in flux. A banana wholesaler described his business: "we sell to the other commission houses down here and to some chain stores and the Government. There are about four other jobbers who sell fruits, and Safeway and A. & P. and Giant have their own banana rooms and do their own purchasing..." The merchant noted that supermarkets were no longer relying on wholesalers in the Union Market Terminal to supply chains with fresh produce, meat or dairy products. Supermarket conglomerates established their own distribution centers, thus diffusing the role of the Union Market Terminal.<sup>44</sup>

By the 1970s, food merchants were leaving the aging market for modern facilities in the suburbs. When the market opened in 1931, its 70 foot wide streets were seen as a solution to problem that had long plagued D.C.'s markets: congestion. But in the 1930s, a delivery truck was only fourteen feet long. By the late twentieth century, fifty-foot-long tractor-trailers were jamming the Union Terminal Markets' streets and parking lots.<sup>45</sup> The market was also beginning to show signs of a half a century of industrial use. In 1981, *The Washington Post* described the state of the market: "Many of the buildings, erected in the 1920s, are largely unadorned, have broken and dirty windows and cracked sidewalks in front of them."<sup>46</sup>



**Figure 14: The Union Market Sign**

A business-retention study conducted in the early 1980s found that merchants needed better security, improved truck loading facilities, wider and better kept streets and more parking spaces. Despite these troubles, the market was still home to eighty businesses and provided over a thousand jobs. The market also retained its geographic centrality and proximity to the Washington market—a major benefit to the wholesalers. However, the suburbanization of the wholesale industry threatened the very existence of the market.<sup>47</sup>

In the early 1980s, Mayor Marion Barry led a city-sponsored program to improve the blighted Union Terminal Market. In 1983, the District purchased eight acres adjacent to the western boundary of the market. The city's investment was intended to stimulate the development of the wholesale food industry and a light industrial center along New York Avenue. As part of the two million dollar economic development initiative, the District, in partnership with Richards Associates and the Sun Development Corporation, constructed a two hundred thousand square foot L-shaped building on the city-owned property (Figure 15). The auxiliary building was intended to enable businesses to expand their operations on-site rather than relocate to a suburban location. The amenities in the new building

<sup>44</sup> Myra MacPherson, "While the City Sleeps," *Sunday, The Star Magazine*, 10 December 1961.

<sup>45</sup> Angus Phillips, "A Congested Corner Where Business Bustles as the City Sleeps," *The Washington Post*, 10 May 1984.

<sup>46</sup> Jane Seaberry, "Mayor Pledges Aid to Market," *The Washington Post*, 12 December 1981.

<sup>47</sup> Ibid.

included loading docks that could accommodate semi-trucks and walk-in refrigerators. According to Mayor Barry, the project would have benefits beyond the immediate vicinity of the Union Terminal Market. "It is supporting the growing restaurant industry in our city and is helping expand and diversify the District's economic base," he said.<sup>48</sup>

Many of the new food suppliers that moved into the expanded market space were owned by Chinese and Korean immigrants. At the same time, new immigrant-owned businesses were also moving into the old market as spaces were vacated. These businesses specialized in supplying goods to Asian groceries and restaurants throughout the Mid-Atlantic region. The influx of these new wholesalers kept the market fully occupied despite the flight of several large businesses. While the historic function of the Union Terminal Market was retained, the ethnicities of the purveyors became more diverse. The Litteris and Deoudes were joined by the Songs and the Wangs. Tofu and bok choy was sold alongside sausage and lettuce. Despite ethnic differences, the old and new businesses operated on essentially the same model. According to one city planner, this created an esprit de corp among the merchants: "the old ethnic guys like the newcomers. They say 'more power to them. They work like hell.'"<sup>49</sup>



**Figure 15: Market Building Constructed in the 1980s (photo from 2007)**

While the 1980s initiative may have succeeded in retaining or attracting businesses, it did not remake the image of the market. Presently, the buildings in the historic core of the market are marred by deterioration and insensitive alterations. Nearly all of the formerly open loading areas have since been filled in with incompatible building materials such as concrete block. The market remains plagued with congestion and pedestrian access is limited (and potentially dangerous) due to the traffic. The land between Morse and Penn Streets, NE west of Fifth Street (the site of the former farmers' market sheds) is now vacant or underutilized. Despite these conditions, the market remains an active wholesale center with an associated retail component. The increase in the ethnic diversity of the purveyors in the market that began in the 1970s and 1980s has accelerated in recent years. Today, African, Caribbean, Chinese, Korean, Indian, Italian, Mexican, Middle-Eastern and Salvadorian wholesalers and retailers (among others) all occupy spaces in the market. A vast quantity and variety of food is still sold daily in Union Terminal Market, much as it has been for the last seventy years.

<sup>48</sup> Michael Abramowitz, "Ground Broken for Capital City Market Project," *The Washington Post*, 5 August 1985; Carole Sugarmann, "To Market, To Market—A Capital Idea," *The Washington Post*, 14 May 1986, E1.

<sup>49</sup> John Mintz, "Capital City Food Market Undergoes Major Facelift," *The Washington Post*, 16 October 1986; Sugarmann, "To Market to Market—A Capital Idea."

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preservation of significant structures within the Union Market Terminal. Additionally, the architectural and historic significance of the original market buildings could qualify the Union Terminal Market for listing on the National Register of Historic Places.\*

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\* For more information on the criteria for listing on the National Register of Historic Places, see the Nation Park Service's website <<http://www.nps.gov/nr/listing.htm>>.

## SIGNIFICANCE OF THE UNION TERMINAL MARKET

The Union Terminal Market is a historically and architecturally significant place. Unlike the public markets that preceded it, the Union Terminal Market was developed by a private cooperative of wholesale merchants. The Union Terminal Market Association saw the market in Northeast Washington, D.C. as a means to preserve and enhance the relationship that existed between wholesale and retail merchants at Center Market. After great controversy over the future location of the wholesale and farmers' market in D.C., the Union Terminal Market opened in 1931. The combined presence of wholesale firms and farmers' stalls at Union Terminal strengthened the economic viability of the market. Although the role of the farmers' market was reduced with the closing of the outdoor market, the Union Terminal Market continues to serve this dual wholesale/retail function. It is like no other market in the city. In a marketing piece from the 1940s (Figure 16), the Union Terminal Market Association promoted the unique qualities that can still be ascribed to the market today: "See the quality, quantity [and] variety of choice, fancy, staple [and] unusual foods from all over the world available in the Union Terminal Market / Union Terminal Market: a distributor to serve you regardless of your requirements."

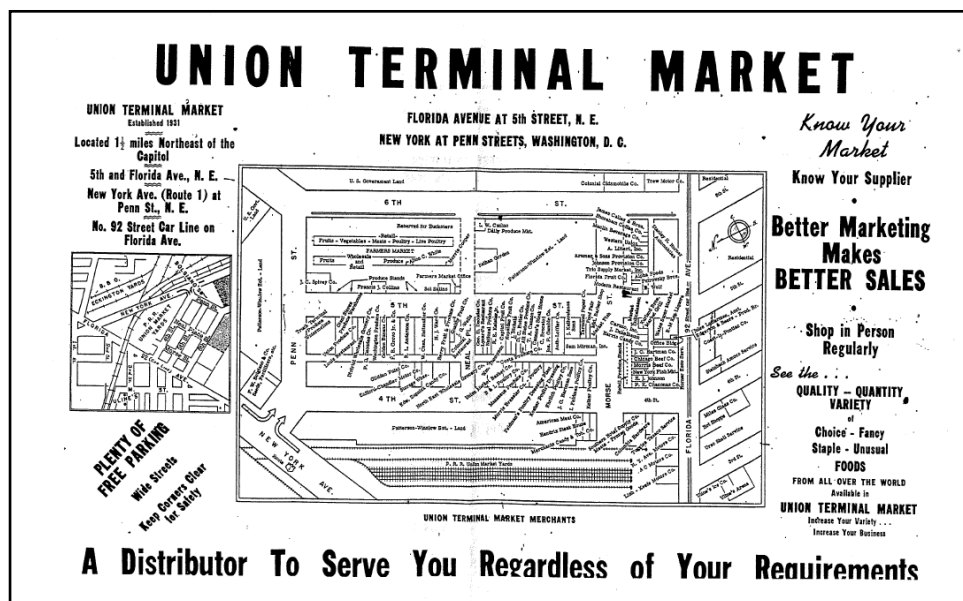


Figure 16: Union Terminal Market Advertisement from the 1940s

Besides its unique wholesale and retail functions, the design and layout of the buildings distinguishes the Union Terminal Market. Unlike previous markets in D.C., the Union Terminal Market is not encompassed in a single building. The historic core of the Union Terminal market is comprised of five blocks lined with two-story buff brick buildings. These warehouses were developed by individual investors according to a master plan. The repetition of E. L. Bullock's Classical design in the buildings along Fourth, Fifth, and Morse Streets gives the market an architectural rhythm and sense of cohesion. Nearly all of the buildings from the initial phase of construction (1929 to 1931) are still standing. Outside of the historic core, the market exhibits a range of building scales and design. The warehouses built in the 1950s, the D.C. Farmer's Market Building, and the auxiliary warehouse built in the 1980s were constructed on an industrial scale to accommodate changing needs in the wholesale business. These buildings stand in contrast to the human-scaled buildings of the 1930s.

Although the Union Terminal Market buildings are deteriorating and many have been altered, much of the original historic fabric of the market remains. Many integral architectural elements, such as the arcades and bas-relief panels, remain visible. These character-defining features create a strong sense of place in Union Terminal Market. The design and importance of the market in the history and development of the District of Columbia warrants the

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## Appendix B

Florida Avenue Market Phase 2 IMPLAN Market Impacts Report  
See Volume II





**Economics Research Associates**

Project Memo

**Florida Avenue Market Phase 2  
IMPLAN Market Impacts Report**

Prepared for

**CORE Architects  
Washington, DC Office of Planning**

Submitted by

**Economics Research Associates**

**October 22, 2008**

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## Table of Contents

Introduction and Executive Summary .....	3
Existing Conditions .....	5
Rent Inventory .....	6
Customer Base .....	6
Economic Impacts Analysis .....	8
About IMPLAN .....	8
IMPLAN Model Inputs.....	9
IMPLAN Modeling Output – Summary of Findings .....	11
Corporate Transfers, District, and Federal Tax Impact .....	14
Wholesale Market Feasibility .....	15
Case Studies .....	19

## Index of Tables/Figures

Table 1: Florida Avenue Market Area by Use .....	5
Table 2: Sales Distribution by Consumer Category and Geographic Area.....	7
Table 3: Location of Customers by Quadrants .....	7
Table 4: Estimated On-Site (Direct) Output by Industry Group .....	10
Table 5: Estimated On-site (Direct) Employment and Earnings .....	11
Table 6: Output Impact Estimates .....	11
Table 7: Estimated Employment Impact Results.....	13
Table 8: Estimated Labor Income Impact Results .....	13
Table 10 Jessup Private Wholesale Facilities .....	20
Table 11: Baltimore Markets .....	22
Figure 1: Florida Avenue Market Study Area .....	5
Figure 2: Direct Office Rents NoMA & Columbia Heights .....	16
Figure 4 Direct Retail Rents in NoMA & Columbia Heights .....	18



## **General & Limiting Conditions**

Every reasonable effort has been made to ensure that the data contained in this report are accurate as of the date of this study; however, factors exist that are outside the control of Economics Research Associates and that may affect the estimates and/or projections noted herein. This study is based on estimates, assumptions and other information developed by Economics Research Associates from its independent research effort, general knowledge of the industry, and information provided by and consultations with the client and the client's representatives. No responsibility is assumed for inaccuracies in reporting by the client, the client's agent and representatives, or any other data source used in preparing or presenting this study.

This report is based on information that was current as of March 2008 and Economics Research Associates has not undertaken any update of its research effort since such date.

Because future events and circumstances, many of which are not known as of the date of this study, may affect the estimates contained therein, no warranty or representation is made by Economics Research Associates that any of the projected values or results contained in this study will actually be achieved.

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This study is qualified in its entirety by, and should be considered in light of, these limitations, conditions and considerations.

## Introduction and Executive Summary

Economics Research Associate's (ERA) was retained by CORE Architects and the Washington DC Office of Planning to perform an analysis of and assess the redevelopment potential of the Florida Avenue Market.

The Florida Avenue Market is a wholesale food market extending roughly from the intersection of Florida Ave NW and New York Ave NW to 6<sup>th</sup> Street NW in Washington, DC. It serves as a wholesale supplier to many restaurants, including many ethnic and specialty restaurants in the District. This market serves primarily wholesale customers who do not buy at the volumes necessary to receive drop-off delivery or meet the minimum order requirements from other large wholesale suppliers. The Florida Avenue Market finds its niche in this market group, as the large-scale wholesale food distribution market is dominated by the state-subsidized Maryland Wholesale Food Center in Jessup, MD. The Florida Avenue Market also contains a number of businesses of other types; however ERA estimates that the majority of sales result from the wholesale trade and food and beverage stores.

This study is broken into four basic elements: an analysis of the economic impacts of the market, a comparison with competing or complimentary area markets using cases studies, an inventory of rents in the market, and wholesale market feasibility expressed in the potential impact on rents if the project area includes redevelopment with market rate housing, office, and retail spaces. In preparation for the analyses, ERA worked with the DC Office of Planning to gather data and complete an analysis of the market's current condition. This analysis involved creating an inventory of existing business as well as doing a qualitative assessment of the site. Data gathering was hindered by a lack of available tax data and by the unwillingness of the majority of business owners to share complete information.

ERA has been able to gather data from a limited number of businesses and through in-house data banks; however many data inputs have been extrapolated through a combination of both sources and should serve as conservative estimates as they were not derived through primary sources.

The case studies of comparable facilities revealed that there are no facilities acting like the Florida Avenue Market – a combination of public retail and privately-owned wholesale and retail space within the same market. However, there are other facilities that provide information about how other cities' markets are organized. Some are publicly owned, such as the state-owned Maryland Food Center Authority wholesale-only facilities in Jessup, Maryland, the City-owned Baltimore Public Markets retail facilities, and the City-owned Reading Terminal Market in Philadelphia. The Chelsea Market in New York City is a privately-owned retail market facility.

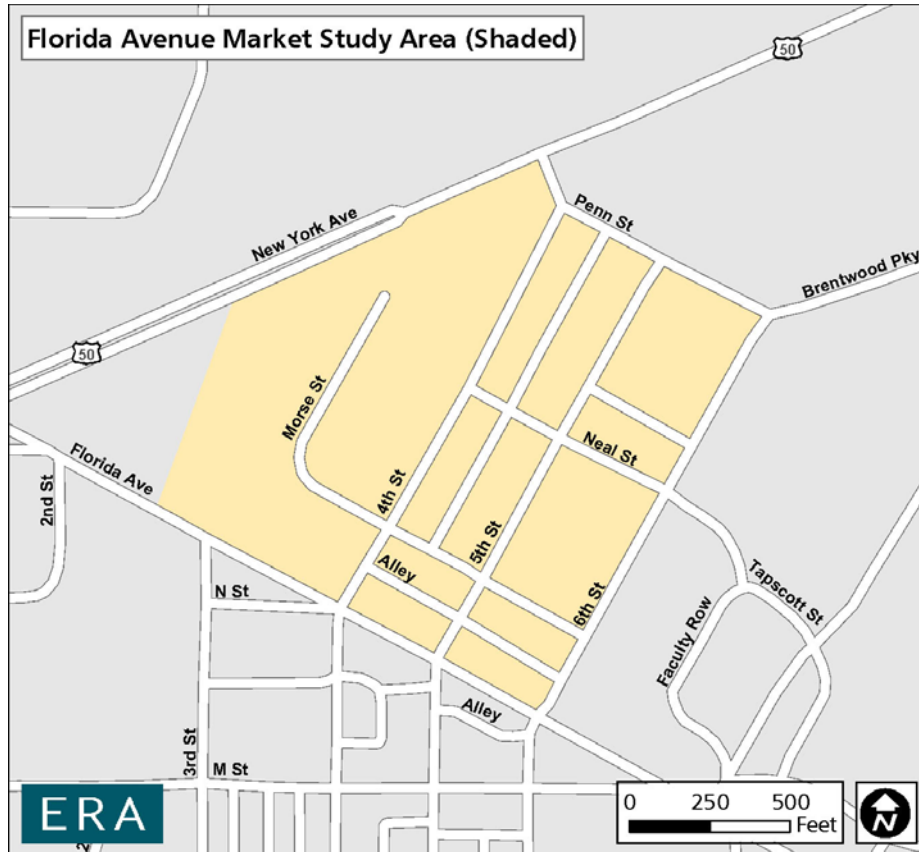
The Florida Avenue Market is unique. While there may be social advantages to its current configuration and structure such as ethnic, small business development opportunities and an alternative outlet for fresh produce



and meats for District residents, the economic advantages of the current Florida Avenue Market are limited. In any future redevelopment scenario, the future arrangement of Florida Avenue Market as a retail and wholesale market may need to be reconsidered.

## Existing Conditions

Figure 1: Florida Avenue Market Study Area



As illustrated in Table 1, the Florida Avenue Market area contains many uses – retail food sales, wholesale food sales, a variety of merchandise retail, and wholesale businesses. It also contains office uses, a bank, food services and office uses, and lodging. The primary foci of the analyses in this report are the food-related businesses, as those are the most unique elements of the market.

Table 1: Florida Avenue Market Area by Use

Use	Sqaure Feet	% of Total
Uncategorized	168,729	22.2%
Hospitality	6,816	0.9%
Office	7,998	1.1%
Retail Food	42,047	5.5%
Wholesale Food	340,685	44.7%
Wholesale Merchandise	134,813	17.7%
Wholesale Food & Merchandise	48,474	6.4%
Wholesale & Retail Food	11,849	1.6%
<b>Total Space</b>	<b>761,410</b>	<b>100%</b>



Source: DC Office of Planning; Economics Research Associates, 2008.

## **Rent Inventory**

The Florida Avenue Market contains 761,410 square feet across all business categories. According to a representative of the property owners, rents range from \$7.50 to \$15.00 per square foot, triple net leases. A review of leases in the market reveals that the average rent at the Florida Avenue Market is \$11.58 per square foot, on a triple net lease. Leases within this range include space that is used for wholesale and retail combination businesses. While a relatively low rate for retail space in the District of Columbia, rents in nearby jurisdictions for wholesale space can be as low as half the average rents at the market.

## **Customer Base**

ERA was asked to identify the customer base that is served by Florida Avenue Market. As most businesses in the market would only provide limited information on customers, ERA relied on two sources of information: anecdotal information gained through interviews and by the business association's customer list analysis. The customer list was used by the former Washington Cash 'n' Carry over five years ago. While the information is not current, it provides a picture of the extent of business at Florida Avenue Market. ERA examined the customer list to understand the question, "Where are the Market's customers located?" As shown in Table 2, of the 2,826 customers on the list 60.9%, or 1,788, were located in the District of Columbia. Note that the largest customer category is restaurants. In addition, many of the government institutions were embassies. This information correlates to interviews, which stated that DC's embassies continue to be a major customer group for some businesses.

Sales to customers outside of the District are valuable, as they represent an inflow of revenues and taxes to the jurisdiction.

**Table 2: Sales Distribution by Consumer Category and Geographic Area**

	Number of Customers				% of Total		
	DC	VA	MD	Total	DC	VA	MD
Drugs/Gifts/Variety	93	31	31	155	3.3%	1.1%	1.1%
Newsstand	8	4	5	17	0.3%	0.1%	0.2%
Restaurant/Deli/Café	517	89	161	767	18.3%	3.1%	5.7%
Organization/Association	43	6	4	53	1.5%	0.2%	0.1%
Service Station	40	14	37	91	1.4%	0.5%	1.3%
Grocery/Supermarket	198	81	72	351	7.0%	2.9%	2.5%
Convenience Store	51	38	50	139	1.8%	1.3%	1.8%
Vendors	75	20	60	155	2.7%	0.7%	2.1%
Cigarette Outlet	1	5	0	6	0.04%	0.2%	0.0%
Office/Non-Retail	23	4	8	35	0.8%	0.1%	0.3%
Gov't Institutions	89	6	10	105	0.8%	0.2%	0.4%
Miscellaneous	348	64	174	586	12.3%	2.3%	6.2%
Church	276	7	54	337	9.8%	0.2%	1.9%
Blind Item	26	2	1	29	0.9%	0.1%	0.0%
<b>Total</b>	<b>1788</b>	<b>371</b>	<b>667</b>	<b>2826</b>	<b>60.9%</b>	<b>13.1%</b>	<b>23.6%</b>

Source: Florida Avenue Merchants Association; Economics Research Associates, 2008.

ERA then analyzed the addresses of the customers in the list to learn where in the District most customers were located. As shown in Table 3, the majority of the business's customers were located in the Northwest quadrant of the District. This is not surprising, as the quadrant, which contains the most restaurants is the Northwest.

**Table 3: Location of Customers by Quadrants**

	NW	NE	SE	SW	% of DC	
					DC Totals	Total
Drugs/Gifts/Variety	59	18	8	8	93	5.2%
Newsstand	8	0	0	0	8	0.4%
Restaurant/Deli/Café	256	159	81	21	517	28.9%
Organization/Association	20	12	10	1	43	2.4%
Service Station	13	18	9	0	40	2.2%
Grocery/Supermarket	115	51	26	6	198	11.1%
Convenience Store	27	17	6	1	51	2.9%
Vendors	46	16	10	3	75	4.2%
Cigarette Outlet	1	0	0	0	1	0.1%
Office/Non-Retail	9	11	2	1	23	1.3%
Gov't Institutions	53	21	13	2	89	5.0%
Miscellaneous	164	118	54	12	348	19.5%
Church	121	99	53	3	276	15.4%
Blind Item	15	1	0	10	26	1.5%
<b>Total</b>	<b>907</b>	<b>541</b>	<b>272</b>	<b>68</b>	<b>1788</b>	<b>100.0%</b>

Source: Florida Avenue Merchants Association; Economics Research Associates, 2008.

## Economic Impacts Analysis

The economic impact analysis of the site as it currently exists was done through an IMPLAN (Impact Analysis for Planning) model which, traces financial transactions backward through the economy to calculate the economic impact of a change in output – the output in this case being the total sales estimate for the market. These backwards linkages are measured through, direct, indirect, and induced impacts in various industry categories. In this study ERA has measured financial transactions (output), on-going full-time employment (FTE), and employee compensation impacts at each stage.

### About IMPLAN

The IMPLAN modeling system has been in use since 1979 to assist in the decision-making and analysis processes of private consulting firms, university research centers, and government agencies.

Economic impact studies evaluate the effects from a change in final demand. A positive change in final demand represents new economic activity in a region, such as a profitable new retail store or new employment at a factory. A negative change in final demand represents the opposite, showing a decrease in economic activity for a region, such as an industrial plant closing or demand dropping for a vendor.

An economic study begins with a **study area**. Most impact studies model changes in either a state or a county. In this study, the study area is the District of Columbia. This study analyzes the economic impact only for the District; there will be other economic impacts outside of the District due to leakage, but they are not counted in this analysis.

An **economic impact analysis** measures the monetary exchanges necessary to accommodate a change in final demand back through the economy. The U.S. economy is extraordinarily complex – as private businesses produce goods and engage in trade with each other, they must hire workers who will pay taxes and fees, and make capital investments. These exchanges will filter through the economy; an increase in production from one industry sector will require an increase in production from others.

Economic impacts are measured at three stages. The following is a simplified explanation of each stage:

**Direct Effects** – Direct effects measure the immediate results of a change in output. For example, if a restaurateur were to open a hot new restaurant with sales of \$1million, it would have the direct effect of \$1million in the restaurant industry.

**Indirect Effect** – Indirect effects measure the economic activity needed to support the direct effect. In order to reach sales of \$1million the restaurant owner will have to pay his/her staff, for supplies, rent, maintenance, and salary to him/herself (proprietor's income). These payments are the indirect effects and are measured across the

other industries she/he depends on. The \$1million in sales by the restaurant owner will have an indirect effect in the other industries that she/he needs to operate.

**Induced effect** – The indirect effects measure business-to-business expenditures – what the business owner spends on what he/she needs to operate. Induced effects measure the effects of household and institutional spending. Put simply, the staff at the restaurant (as well as the owner, management, etc.) earns wages, and they spend those wages on consumer goods, taxes, and savings.

In the IMPLAN model, the induced effect takes into account data from IMPLAN's **social accounting matrix (SAM)**. The social accounting matrix accounts for social security and income tax leakage, institution savings, and commuting. It also accounts for inter-institutional transfers. For this analysis the spending and saving patterns of households were used as the SAM institutional multipliers.

A **multiplier** describes the total (indirect, direct, and induced) effect on the economy. A multiplier makes no distinction among industries that are affected; it only describes the total effect of a given change in final demand. Therefore, if the example restaurant has a multiplier of 1.25, then the \$1million in sales will have a total impact of \$1.25 million: \$1.0 million directly, and \$.25 million of indirect and induced economic activity (spread across the many industries and households needed to support the restaurant).

Employment is calculated by determining the ratio of employment to output for each industry and calculating the number of employees necessary to reach that output. The same method is used for calculating employee compensation.

## IMPLAN Model Inputs

ERA performed interviews with current business owners in order to gather data about the markets sales volume. Data from the DC Office of Tax and Revenue were sought in order to calculate backwards (and accurately) total sales, however these data were not available at the time of this study. During site visits and interviews conducted by ERA, most business owners were not willing to share information regarding sales; however, ERA was able to gather data from a limited number of businesses and then adjust data from in-house sources accordingly across each industry in aggregate. ERA estimates that the industry categories of wholesale trade and food and beverage stores make up 52% of the total businesses and account for at minimum 90% of sales. This estimate should not be used to retroactively estimate the sales volume of business in other industry types, as very few business owners in other categories were willing to share sales information. The minimum 90% estimate was derived through in-house data. A detailed table of the number of 'other' businesses by type and estimated FTE employment is provided in the index. ERA acknowledges that the required data to perform this study with a high degree of accuracy was not available; the results of this analysis should be used as a conservative estimate of the Markets' sales volume.

**Table 4: Estimated On-Site (Direct) Output by Industry Group**

<u>Sector Name</u>	<u>Sector Code</u>	<u>Sales Volume (EST)</u>	<u># of Businesses</u>
Wholesale Trade	390	\$97,190,100	48
Food & Beverage Stores	405	\$35,404,000	30
<u>Other</u>	<u>N/A</u>	<u>N/A</u>	<u>71</u>
<b>Total</b>	<b>N/A</b>	<b>N/A</b>	<b>149</b>

Source: InfoUSA; DC Office of Planning; Economics Research Associates, 2008.

Wholesale Trade is listed as sector 390 within the IMPLAN modeling system and includes all businesses, which fall into the North American Industry Classification System (NAICS) sector 42. There are 48 businesses in the Wholesale Trade category at Florida Avenue Market with total estimated annual sales of \$97million. Wholesale trade businesses are defined as any establishments which engage in wholesaling merchandise, generally without transformation, and rendering services incidental to the sale of merchandise.

Food and Beverage Stores are listed as sector 405 within the IMPLAN modeling system and include all businesses, which fall into the NAICS sector 445. There are 30 businesses in the food and beverage category at the Market with total estimated annual sales of \$35 million. Food and Beverage Stores are defined as retail food and beverages merchandise from fixed point-of-sale locations (not restaurants). Establishments in this subsector have special equipment (e.g., freezers, refrigerated display cases, refrigerators) for displaying food and beverage goods. They have staff trained in the processing of food products to guarantee the proper storage and sanitary conditions required by regulatory authority.

It was not possible to accurately estimate the total employment and wages paid, so a combination of in-house data and industry averages for Washington, DC area were employed. The difficulty in estimating total wages was exacerbated by a tendency of business owners in the market to employ undocumented laborers (according to confidential discussions with some owners and confirmed by ERA's observation). By using industry averages, ERA acknowledges that the employment impact in this study will be much higher than what is actually occurring; due to these undocumented workers typically being paid less than what is required by law and due to their wages not being taxed or cycled back through the local economy in the same fashion as documented workers. Completely disregarding the undocumented workers in the IMPLAN model and counting only those who are documented would give an impact in which the employment impact in the direct and induced stages is much lower than what is actually realized. ERA has included the jobs of these workers and has counted their wages at industry averages. This has an inverse effect on proprietary income and labor income in the model, the proprietary income decreases, while the labor income increases (being that undocumented workers are underpaid and that business owners are pocketing the difference.) The percentage breakdown of labor income and proprietor income is presented in the appendix for all industries in aggregate. If the Florida

Avenue Market was functioning as a fully-documented employment center at industry average wages, Table 5 would demonstrate the potential impacts.

**Table 5: Estimated On-site (Direct) Employment and Earnings**

<u>Sector Name</u>	<u>Sector Code</u>	<u># FTE Employees</u>	<u>Avg. Employee Compensation</u>	<u>Total On-site Labor Income 1/</u>
Wholesale Trade	390	292	\$65,748	\$19,929,900
Food & Beverage Stores	405	225	\$24,986	\$5,844,000
<b>Total</b>		<b>517</b>	<b>\$48,008</b>	<b>\$25,773,900</b>

1/ Includes both employee compensation and proprietors income.

Source: InfoUSA; BLS; BEA; DC Office of Planning; Economics Research Associates, 2008.

Employment is estimated at 292 FTE jobs in the wholesale trade sector with average employee compensation of \$65,748 and 225 FTE jobs at food and beverage Stores with average employee compensation of \$24,986.

Employee compensation is comprised of both wages and other costs associated with retaining an employee.

These costs represent 16% of the wholesale trade employee compensation and 17% of employee compensation at food and beverage stores. Total employment in the analyzed sectors is 517 FTE jobs with nearly \$26 million in labor income.

## IMPLAN Modeling Output – Summary of Findings

The following tables summarize the impact of the Florida Avenue Market at the direct, indirect, and induced stages. Total sales (measured through financial transactions), employment, and total labor income.

**Table 6: Output Impact Estimates**

<u>Industry</u>	<u>Direct</u>	<u>Indirect</u>	<u>Induced</u>	<u>Total</u>	<u>Multiplier</u>
Wholesale Trade	\$97,190,100	\$33,104,800	\$6,447,400	\$136,742,300	1.41
Food & Beverage Stores	\$35,404,000	\$18,359,200	\$2,591,200	\$56,354,400	1.59
<b>Total</b>	<b>\$132,594,100</b>	<b>\$51,464,100</b>	<b>\$9,038,600</b>	<b>\$193,096,800</b>	<b>1.46</b>

Source: MIG; Economics Research Associates, 2008.

The output impact measures back through the economy the financial transactions necessary to accommodate an output. The output in this case is equal to the direct impact. The direct impact of the wholesale trade businesses is \$97.19 million, which results in \$33.1 million of indirect and \$6.45 million of induced impact. This creates a total impact of \$136.74 million with a multiplier effect of 1.41. The direct impact of the food and beverage stores is \$35.4 million, which results in \$18.36 million of indirect and \$2.59 million of induced impact. This creates a total impact of \$56.35 million with a multiplier effect of 1.41.



For both industry groups which are analyzed and comprise at minimum an estimated 90% of sales in the market, the direct impact is \$132.59 million, which results in \$51.46 million of indirect and \$9.04 million of induced impact. The total impact of the market in the analyzed sectors is \$193.1 million with a multiplier of 1.46. This suggests that for each \$1 spent at the market, there is a resultant \$.46 spent elsewhere in the District of Columbia.

**Table 7: Estimated Employment Impact Results**

<u>Industry</u>	<u>Direct</u>	<u>Indirect</u>	<u>Induced</u>	<u>Total</u>	<u>Multiplier</u>
Wholesale Trade	292.0	187.8	44.3	524.2	1.80
Food & Beverage Stores	225.0	91.4	17.8	334.2	1.49
<b>Total</b>	<b>517.0</b>	<b>279.2</b>	<b>62.1</b>	<b>858.4</b>	<b>1.66</b>

Source: MIG; Economics Research Associates, 2008.

The employment impact measures, back through the economy, the employment needed at each stage to accommodate the changes in output. The direct impact of the wholesale trade businesses is 292 FTE jobs which results 187.8 indirect and 44.3 induced FTE jobs; this creates a total impact of 524.2 FTE jobs with a multiplier effect of 1.8. The direct impact of the food and beverage stores is 225 FTE jobs which results in 91.4 indirect and 17.8 induced FTE jobs; this creates a total impact of 334.2 FTE jobs with a multiplier effect of 1.49.

For both industry sector groups which are analyzed and comprise at minimum an estimated 52% of businesses in the market, the direct impact is 517 FTE jobs, which results in 279.2 indirect and 62.1 induced FTE jobs. The total impact of the market in the analyzed sectors is 854.4 FTE jobs with a multiplier of 1.66. This suggests that for each FTE position in the market, .66 FTE position is created elsewhere in the district.

**Table 8: Estimated Labor Income Impact Results**

<u>Industry</u>	<u>Direct</u>	<u>Indirect</u>	<u>Induced</u>	<u>Total</u>	<u>Multiplier</u>
Wholesale Trade	\$19,929,900	\$14,224,600	\$2,289,300	\$36,443,800	1.83
Food & Beverage Stores	\$5,844,000	\$7,684,300	\$920,100	\$14,448,400	2.47
<b>Total</b>	<b>\$25,773,900</b>	<b>\$21,908,900</b>	<b>\$3,209,400</b>	<b>\$50,892,200</b>	<b>1.97</b>

Source: MIG; Economics Research Associates, 2008.

The labor income impact measures, back through the economy, the proprietary income and labor wages needed at each stage to accommodate the changes in employment. The direct labor income impact of the wholesale trade businesses is \$19.93 million, which results \$14.22 million indirect and 2.29 million induced labor income; this creates a total impact of \$36.44 million of labor income with a multiplier effect of 1.83. The direct impact of the food and beverage stores is \$5.84 million of labor income, which results in \$21.91 million indirect and \$3.21 million induced in labor income; this creates a total impact of \$50.89 million in labor income with a multiplier effect of 1.97.

For both industry groups which are the direct impact is \$25.77 million in labor income which results in \$21.91 million indirect and \$3.21 million induced in labor income. The total impact of the market in the analyzed



sectors is \$50.89 million in labor income with a multiplier of 1.97. This suggests that for each \$1 paid in labor income in the market, \$.97 is paid elsewhere in the District.

### **Corporate Transfers, District, and Federal Tax Impact**

The total tax benefit to both the federal government and the District of Columbia are included in the appendix. The tax benefits are derived from sales on the site, taxes on wages, taxes on household spending (which is analyzed through the model), taxes on enterprises and corporations, and through indirect business taxes. The District Office of Tax and Revenue was requested to provide aggregated tax revenues from businesses at the Florida Avenue Market. ERA has learned that the OTR senses do not have complete, accurate tax records for all businesses at the market. ERA estimated tax revenues using the IMPLAN model.

The wholesale trade industry is estimated to generate \$8.02 million in aggregate indirect federal government tax benefit and \$15.7 million in indirect local tax, for a total aggregate tax benefit of \$23.71 million. This includes \$34,600 of corporate transfers.

The food and beverage stores are estimated to generate \$2.7 million in aggregate indirect federal government tax benefit and \$4.96 million in indirect local tax, for a total aggregate tax benefit of \$7.67million. This includes \$13,600 of corporate transfers.

## Wholesale Market Feasibility

It has been suggested that it may be difficult to maintain a wholesale market and the current level of retail operations at the Florida Avenue Market site should market-rate housing, office, and retail space be developed as part of a redevelopment program. ERA was tasked with evaluating the potential impact of redevelopment at the market site on rents, based on similar redevelopment in the area and historic rent impacts. As there are no directly comparable facilities in Washington that have experienced such a redevelopment, ERA reviewed the impact that other large developments introducing higher rental rate retail and market-rate office space in transitioning neighborhoods had on area rents to understand the potential for rent pressure on Florida Avenue Market wholesalers and retailers.

Two transition areas in the District that introduced market rate office and retail space, as well as new market rate residential developments are the area north of Massachusetts Avenue NE (NoMA) and the area surrounding Columbia Heights, including the new DC USA retail center. Examining the trends in rents and development in these areas may inform potential impacts at the Florida Avenue Market

## Office Space Analysis

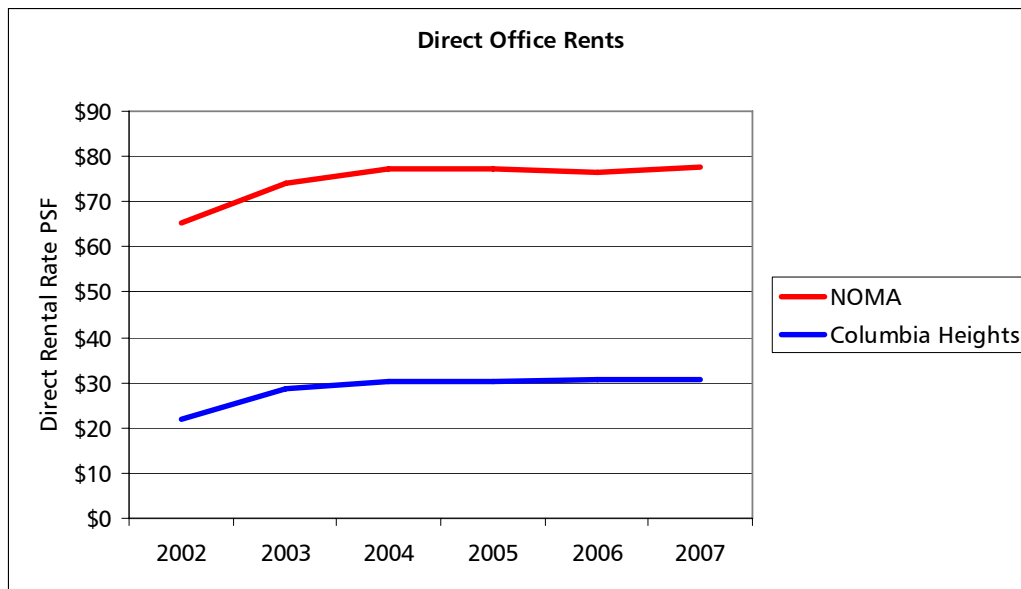
ERA defined the NoMA office market study area as a one-half mile radius from 5th and K Street NW. The Columbia Heights office market study area was a one-half mile radius from Irving and 14th Street NW.

The rentable building area (RBA) for office space in NoMA is considerably higher than the amount of office RBA in Columbia Heights (2.9 million square feet and 244,000 square feet, respectively). The current average office rent as reported by CoStar in NoMA is considerably higher than in Columbia Heights (\$47.58 and \$30.50, respectively). Over one million square feet of new office space has been delivered in NoMA since 2002. In Columbia Heights, 106,000 square feet of new office space was delivered in 2005, with no new space delivered in the past three years. Office space absorption in both areas has been strong, with an average of 19,000 square feet of space absorbed annually in Columbia Heights and 67,000 square feet of space absorbed annually in NoMA. Though leasing activity fluctuated in NoMA, this is likely due to the amount of new space delivered to the market.

Vacancy rates were reported for Columbia Heights in 2003-2006, where rates ranged from a high of 12.3 percent in 2005 to a low of 2.1 percent in 2006. The average annual vacancy rate for those four years was 5.3 percent. Though vacancies spiked in 2005, this increase coincides with the delivery of 106,000 square feet of new space, which was quickly absorbed by the following year. Vacancies were considerably higher in NoMA, which could be a factor of the ongoing construction activity. The average annual vacancy rate between 2002 and 2007 was 12.1 percent, with rates ranging from a high of 19.5 percent in 2007 to a low of 3.6 percent in

2002. Rates increased in first quarter of 2008 to 23.4 percent, which is over 13 percent higher than the vacancy rate at the same time in 2007.

**Figure 2: Direct Office Rents NoMA & Columbia Heights**



Office rental rates in Columbia Heights have steadily increased from 2002. Rates have climbed from \$22 per square foot in 2002 to \$30.50 per square foot in 2007, an increase of \$8.50 per square foot. *This is an annual increase of almost seven percent.* Office rental rates in NoMA have remained more stable, increasing from \$43.32 per square foot in 2002 to \$46.79 per square foot in 2005. Rates declined in 2007 to \$46.98 per square foot, but rebounded in 1st Quarter 2008 to \$47.64 per square foot. *On average, rates in NoMA increased 1.6 percent between 2002 and 2007.*

## Retail Space Analysis

To analyze the retail markets in the two areas, ERA established the NoMA study area as a one-half mile radius from 5th and K Street NW and the Columbia Heights study area as a one-half mile radius from Irving and 14th Street NW.

The amount of retail RBA in Columbia Heights is considerably higher than in NoMA (602,000 square feet and 173,000 square feet, respectively). The current average retail rent per square foot in Columbia Heights is considerably higher than in NoMA (\$51.75 and \$33.13, respectively). Retail rents per square foot are generally eight to twelve percent of gross sales per square foot. To support the rents in Columbia Heights and NoMA, store would likely need to average respectively \$517 and \$330 per square foot in sales.

Over 588,000 square feet of new retail space has been delivered in Columbia Heights since 2002. However, over 96 percent of this space is the DC USA project, delivered in 1st Quarter 2008. In NoMA, 31,000 square feet of new retail space was delivered in 2005, with no new space delivered in the past three years.

Because of limited amount of new retail space delivered to the market between 2002 and 2007, leasing activity in both markets has been slow, with an average annual absorption of approximately 2,700 square feet. Retail absorption in NoMA was negative in 2007 and 1st Quarter 2008 (negative 5,000 square feet and negative 400 square feet, respectively). In Columbia Heights, in 2007 and 1st Quarter 2008, leasing activity was strong, due to the large amount of retail space delivered to the market.

Vacancy rates were reported for Columbia Heights in 2004-2007, where rates ranged from a high of 17.7 percent in 2007 to a low of 16.3 percent in 2004, 2005, and 2006. Rates declined in 1st Quarter 2008 to 14 percent, despite the delivery of almost 566,000 square feet of new retail space. Vacancies fluctuated in NOMA, ranging from a high of 21.3 percent in 2004 to a low of 2.8 percent in 2002. Vacancy rates have increased 3.4 percent since 2006.

**Figure 3 Direct Retail Rents in NoMA & Columbia Heights**



Retail rental rates in Columbia Heights have spiked since 2005, increasing from \$39 per square foot in 2005 to \$50.67 per square foot in 2007. This is an annual average increase of 14 percent. Rates continued to increase in 1st Quarter 2008 to \$51.75 per square feet. There has been a 33 percent increase in rental rates since 2005. Since 2005, retail rental rates in NoMA have remained flat at \$36 per square feet Rates declined in 1st Quarter 2008 to \$33.13 per square feet

### **Applicability to Florida Avenue Market**

Examining the new developments at NoMA and Columbia Heights, the data suggest that redevelopment at Florida Avenue Market will put pressure on the existing rent structure at the market. Key findings include:

- It is realistic to assume that as new retail, office, and market-rate residential units are introduced at Florida Avenue Market, retail rents could increase considerably, requiring much higher sales per square foot for retail operators than is currently estimated.
- Property owners not part of the redevelopment will be encouraged to increase rents by a lesser amount than current rents, or redevelop if the potential for higher rents is evident.





## Case Studies

ERA was asked to research comparable competing or complimentary area markets relative to the Florida Avenue Market. The Florida Avenue Market is somewhat unique in the area. As it is a public market and private market as well as retail and wholesale market, the Florida Avenue Market functions quite differently from other area markets. Successful public markets in the U.S. have typically established themselves by being either primarily consumer driven or wholesale distributor driven. Consumer oriented public markets benefit from having locally produced foods desired by residents and tourists alike. These markets are also becoming food service locations that have prepared ready-to-eat meals for lunch and evening shoppers. Public markets typically feature locally produced foods, goods, and services. Complementary services may include culinary classes using readily available market ingredients as a showcase for local merchants and as a generator for market visits.

Wholesale public markets, on the other hand, derive their advantage from having efficient systems for servicing the market; good truck bays and easy highway access are both important. Successful public markets find a primary market group by establishing themselves as a destination for residents, employees, or tourists; or through creating an efficient wholesale system to service restaurants and smaller retailers.

While the impacts analysis has focused on wholesale and retail food primarily, it also contains a significant percentage of space dedicated to non-food uses. In most locations, public markets may contain retail food sales to the general public and businesses, wholesale food, and merchandise to businesses and some ancillary uses. ERA researched other “typical” public markets to learn how they are established. However, every market is unique, as they tend to reflect the region, their history, and available distribution chains.

### Maryland Food Center Authority – Jessup, Maryland

The Maryland Food Center Authority began operation in 1976 and originally leased spaces to privately-owned wholesale businesses that supplied fresh produce. It is a regional wholesale distribution hub for food suppliers and restaurants. The site was designed for optimal operational efficiency, security, and truck access. It features a farmer’s market, as well as a seafood market – the seafood market opened in 1984 when the Baltimore Fish Market closed. Total market space totals 442,000 square feet, 300,000 square feet of which is the produce market and 112,000 square feet is the seafood market.

The Maryland Food Center Authority is situated on a 400 acre site in Jessup Maryland, and is an economic center for food supply chain operations. Sysco Food Systems, Giant Food, Del Monte and other food distributors are located on the site. There are also companies servicing both the public markets, residents, and employees located at the Maryland Food Center Authority, such as Arby’s, BTS Distribution Centers, Baltimore Truck Rental, Bank of America, and Merchants Terminal Corporation. Maryland Food Center Authority employs about 3,500 people at its various sites.

The produce market currently has 19 vendors operating on 300,000 square of space. Vendors typically specialize in certain produce types. Some businesses offer service options such as delivery, re-packing, or short-term storage. The seafood market currently has nine vendors operating on 112,000 square feet of space, but can accommodate 17 businesses. Eight of these vendors only sell wholesale to businesses, while one sells retail to consumers. Though the produce market is only available for wholesale-to-the-trade, the seafood market has regular retail hours available to the public.

This pubic market is government subsidized with fully subsidized rental rates of \$4.20 per square foot; leases are typically for five years. The Maryland Food Center Authority is an example of how a wholesale market, if designed with efficiency in mind, can maximize wholesale sales volumes and become a cluster of food supply chain businesses and the companies that service them.

Adjacent to the Maryland Food Center facilities are privately-held facilities, many of which are rented by wholesale purveyors who do business with the Food Center wholesales and other area businesses. A review of available private wholesale spaces is presented in Table 9.

**Table 9 Jessup Private Wholesale Facilities**

Number of available properties	44
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Average weighted rent per square foot	\$ 6.83 triple net
Average building age	19 years
Average number of loading bays	19
Note: some available properties within the Enterprise Zone & eligible for tax credits for employment	
Source: CoStar; Economics Research Associates, 2008.	

Relevance to the Florida Avenue Market: Subsidized by the State of Maryland, the Maryland Food Center produce and seafood markets were developed to support agriculture, fishing and transportation industries. Rents are subsidized and facilities are Grade “A” quality, as opposed to the situation at the Florida Avenue Market where Grade “C” space is privately owned and rented at market rates. Transportation (rail and highway) systems connected to the Jessup site and adjacency to private businesses located nearby adds to the locational advantage for businesses serving the Mid-Atlantic area. The primary advantage the Florida Avenue Market has over the Jessup facility is the proximity to Washington, DC for customers located in the District. With state-subsidized rents at \$4.20 per square foot and private space averaging \$6.83 per square foot compared to Florida Avenue Market rents averaging \$11.58 per square foot, the Jessup area has a distinct advantage.

The Florida Avenue Market would need to organize a more efficient system for truck deliveries, improve access, and devote more space in the market toward wholesale business to replicate this success. Also, being that it is government subsidized; the Maryland Food Center Authority is able to attract more businesses because of competitively lower rental prices.

### **Baltimore Public Markets – Baltimore, Maryland**

The Baltimore public market system is the oldest continuously operated market system in the U.S. and dates back to 1763. The Baltimore Public Markets Corporation has operated the Avenue, Broadstreet, Cross Street, Hollins, and Northeast markets since 1995. This public market system provides basic goods, food options, and eateries by targeting community residents as its primary market.

The Avenue Market is the second largest of the five Baltimore public markets, but features the largest average square feet per business at about 1,900 square feet. The Northeast Market is the largest of the markets and has the most vendors.

**Table 10: Baltimore Markets**

<b>Market</b>	<b>Businesses</b>	<b>Square Feet</b>
Avenue Market	16	31,000
Broadstreet Market	14	12,375
Cross Street Market	27	29,803
Hollins Market	17	29,803
Northeast Market	44	36,452

Source: Baltimore Public Markets Corporation; Economics Research Associates, 2008.

The Baltimore public markets primarily sell retail goods and services. At the Avenue Market a consumer can find a variety of ethnic cuisine, southern ‘soul’ foods, seafood, breakfast items, baked goods, and produce, as well as non-food items such as apparel, religious goods, and accessories. The Broadstreet Market features a similar mix of food products but currently does not have businesses selling non-food goods. The Cross Street Market has a variety of food vendors and also has floral retailers. The Hollins Market has delis, seafood, poultry, and produce as well as eateries and non-food goods and services such as check cashing and gift stores.

In addition to the markets operated by the Baltimore Public Markets Corporation is the Lexington Public market in downtown Baltimore. Lexington Market is housed in two brick buildings and an outside non-food area. The market offers a variety of products including produce, prepared foods, and art/crafts. The Lexington Market is 2.3 acres and has 100,000 SF and is strictly a retail public market. There are 140 vendor stalls, averaging between 240 and 360 SF and are rented at \$12,000 to \$18,000 per year for a stall. The market operates on annual budget of \$4,000,000.

The Lexington Market is frequently visited by both residents and out-of-towners and is known for being one of the best public markets in Baltimore, as well as one of the best destinations for tourists in Baltimore. It also accommodates conferences with merchants providing the catering. The market also has annual events such as the Chocolate festival, the Preakness Crab Derby leading up to the second leg of the triple crown of horse racing, and “Lunch with Elephants” when the Ringling Brothers and Barnum and Bailey circus comes to town.

The Baltimore public markets are relatively small. By having multiple markets they have developed into markets that can target the immediately surrounding communities (instead of serving as regional shopping destinations). They play a role comparable to the Eastern Market in DC.

### **Reading Terminal Market – Philadelphia, Pennsylvania**

Reading Terminal has existed in Philadelphia in some form for the past 114 years. It was not until the early 1990s that construction efforts began in an attempt to revitalize the old train shed into a public market. In 1990

the Pennsylvania Convention Center Authority gained ownership of the site and in 1994 the Philadelphia City Council created the non-profit Reading Terminal Market Corporation to operate it as a marketplace.



The site is 1.7 acres and is the second highest attended Philadelphia attraction after the Liberty Bell. Over 80 businesses offer local produce, fresh eggs, milk, meats, poultry, seafood, handmade crafts, jewelry, and clothing. The market place is currently 100% leased. An estimated 100,000 resident Philadelphians and tourists visit the Reading Terminal market each week.

In 2005 rental rates on some of the under performing businesses were increased and as a result were eventually evicted and replaced by more profitable businesses in order for the market to remain competitive. Since October 2006, the market has been open seven days a week and is a shopping and eating destination for the community.

Average stall sizes for vendors are between 150 and 2,000 SF and the rental rates are between \$45 per SF and \$98 per SF. During growing season farmers can rent stalls on a day by day basis. The market has an overall operating budget of \$3 million per year and receives no government subsidies. The Reading Terminal Market Corporation is responsible for all operating costs, including HVAC, street cleaning, and trash compacting. Tenants pay a CAM fee, based on square feet, as part of their rent. The Reading Terminal Market Corporation does not pay rent to the Pennsylvania Convention Center Authority for the market space.

The Reading Terminal Market is a regional attraction with a significantly larger concentration of quick-service restaurants than the Florida Avenue Market. In order to become a regional destination, Florida Avenue Market would need to increase the number of spaces that serve products available for immediate consumption and increase visitation outside the surrounding community. This may not be possible as the Reading Terminal Market benefits from its location in central Philadelphia as well as being directly tied to the convention center. It does not have a wholesale market component.

### **Chelsea Market, New York**

The Chelsea Market in New York City is an indoor, 100,000 square feet market, of which 60,000 square feet is wholesale space, 20,000 square feet is retail space, and 20,000 is common area space. The market features baked goods, gourmet foods, breads, groceries, specialty drinks, flowers, crafts, gifts, office, and restaurants.

Originally the location of the Nabisco Biscuit Company factory and offices, the present Chelsea Market is a collection of 18 separate buildings, totaling nearly 1 million square feet. Nabisco left the complex in the mid-1940s, after which the building became the New York Industrial Center. In the 1990s, investor Irwin B. Cohen



organized a syndicate to purchase the Nabisco Biscuit buildings from 9<sup>th</sup> to 11<sup>th</sup> Avenue and 15<sup>th</sup> to 16<sup>th</sup> Street. During the next several years, Mr. Cohen recreated the older complex, between 9<sup>th</sup> and 10<sup>th</sup> Avenue, renting out the upper floors, approximately 1 million square feet, to an emerging group of technology companies. On the ground floor, approximately 100,000 square feet, he and his designers, Vandeberg Architects, created a long interior arcade of food stores and restaurants. The tenants, who function as retailers and wholesalers, came from the local neighborhood. From its former use as the Nabisco Biscuit Company factory, the building was already well-equipped with the necessary infrastructure, such as loading docks, to accommodate wholesale operations. It is important to note that a few original tenants tried to run retail-only operations with little success, eventually replaced by other retail/wholesale businesses.

The Market's central hall is a mix of disused ducts, an artificial waterfall, the original train shed, and old signboards among other elements. The intention is to reinforce the wholesale and manufacturing character of the neighborhood; retail and wholesale activities operate side by side, providing entertainment value to the market experience. Today the Market has 21 merchants and 4 restaurants. All of the Market's merchants run retail and wholesale operations; approximately 75 percent of the market's operations are wholesale, with goods including bakeries, produce, meats, wine, and specialty groceries.

**Recent Developments:** The building was sold in 2004 to Jamestown property firm, who now oversee the Market's operation. The Chelsea Market is accessible by foot, bike, bus, car, and subway and there is the Meatpacking District neighborhood located adjacent to the market.

**Operating costs:** Major operating costs include fuel, maintenance, and utilities. Tenants pay a CAM charge and are sub-metered for their utilities. Market tenants' rents comprise the revenue source for the Market. The Chelsea Market does not receive any subsidies or grants. The Market did receive Industrial and Commercial Incentive Program (ICIP) benefits for a short period of time, these benefits were minimal.

### *Markets Outside the Mid-Atlantic Region*

Outside of the Mid-Atlantic region, two markets that offer information about publicly-owned markets are the Milwaukee Public Market, a recent redevelopment that is retail-only, and the San Francisco Flower Market, a facility that serves both wholesale and retail customers. If any future redevelopment of the Florida Avenue

Market, it may be desirable to consider a public retail market similar to the one in Milwaukee or a wholesale/retail split facility similar to the San Francisco Flower Market.

### **Milwaukee Public Market – Milwaukee, Wisconsin**

Opened in October of 2005, The Milwaukee Public Market is open seven days a week and is used for both retail space and as a space for events and culinary classes. It is a shopping destination for local residents, employees, and also tourists and sub-urban residents. On Saturdays, the busiest day for the market, there are an estimated 1,500-2,000 people shopping in the market with the lunch hour being the busiest time of day. Furthermore during summer time the market expands outdoors and vendors sell local artwork, jewelry, and music.



The market currently has 19 different vendors offering a variety of produce, seafood, baked goods, and ethnic foods. It is the first indoor public market of its kind in the Milwaukee area and is a retail hub for local merchants and growers. The average rent per square foot is \$18 and there are also additional fees for the maintenance of common areas. Rental rates vary by size of space and sales volume

In addition to shopping, the market offers culinary classes directed by area professionals. These classes exclusively feature products available within the market and teach consumers local dishes. The market also has begun to offer corporations and groups the opportunity to do cooking themed events for team building and recreation.

Prepared meals are popular offerings that have not always been available at the market. Though first introduced as a complement to the basic local foods and ingredients, these ready-to-eat dishes have transformed the market to both a retail and eatery destination. Prepared meals give the opportunity for tourists and Milwaukeeans to sample local cuisine without immediate access to a kitchen. Currently vendors are beginning to offer more samples and food tasting.

The Milwaukee Public Market is still relatively young and improvements are underway. Some vendors are in the process of expansion and new offerings; such as a wine bar, are soon to come online. The culinary consultants on staff are also researching different organic food solutions to showcase at the market.

The Milwaukee Public Market is an example of how a public market can be an engaging entity and a regional destination that showcases local flavor and artisans. For the Florida Avenue Market to mirror these successes, it

would need to begin stressing the retail food shopping over wholesale in advertisements, as well as attract vendors which could provide the same service types.

### **San Francisco Wholesale Flower Mart**

The San Francisco Wholesale Flower Mart opened in 1956, originally under the name San Francisco Flower Terminal. They currently have over 60 vendors selling flowers, potted plants, blooming plants, and floral supplies. The market has evolved from a marketplace for local Californian growers to a market for floral wholesalers. Product, which at one time was only from the immediate Bay Area, now is imported and sold from around the world.

The market has different hours for the public and California resale businesses and organizations that apply for ‘badges’. It is open to the public Monday to Saturday from 10:00 am to 3:00 pm. Businesses and organizations that pay annual badge fees (\$75) have access to the market from 2:00 am to 10:00 am Monday, Wednesday, and Friday and 5:00 am to 10:00 am on Tuesday, Thursday, and Saturday.

In the past four years there have been two attempts by the Academy of Art and a Virginia housing developer to purchase parts of the market; however both efforts failed in part due to public complaints over an anticipated loss of 3,000 jobs and the historic component to San Francisco.

The San Francisco Wholesale Flower Mart is unique because it offers wholesale floral products to retailers and then opens to the public providing discount rates on bulk items relative to retail outlets. It is one of the few centers where floral products from across the U.S. and from around the world are bought and sold. Its relevance to Florida Avenue Market, however, are the unsuccessful attempts to redevelop the market site, as well as its success combining retail and wholesale activities at the same market site.



Appendix Tables: Study Area Businesses by Category and IMPLAN Impact Events by Industry Category



17623 - Florida Ave Market

Appendix Table 1: Study Area Businesses by Category

IMPLAN Sector Name	Sales Volume (EST)	# of Businesses	% of Total Businesses	FTE Employment
Dry Pasta Manufacturing	NA	1	0.67%	10
Spice & Extract Manufacturing	NA	1	0.67%	25
All Other Food Manufacturing	NA	1	0.67%	5
Textile & Fabric Finishing Mills	NA	1	0.67%	1
Textile Machinery Manufacturing	NA	1	0.67%	1
Food Product Machinery Manufacturing	NA	1	0.67%	2
<b>Wholesale Trade</b>	<b>\$97,190,088</b>	<b>48</b>	<b>32.21%</b>	<b>292</b>
Scenic & Sightseeing Transportation & Support	NA	1	0.67%	1
Motor Vehicle & Parts Dealers	NA	3	2.01%	14
Furniture & Home Furnishings Stores	NA	1	0.67%	2
<b>Food &amp; Beverage Stores</b>	<b>\$35,403,992</b>	<b>30</b>	<b>20.13%</b>	<b>225</b>
Gasoline Stations	NA	3	2.01%	7
Clothing & Clothing Accessories Stores	NA	5	3.36%	14
General Merchandise Stores	NA	7	4.70%	7
Miscellaneous Store Retailers	NA	4	2.68%	10
Securities, Commodity Contracts, Investments	NA	1	0.67%	-
Insurance Agencies, Brokerages, & Related	NA	2	1.34%	10
Monetary Authorities & Depository Credit Intermed	NA	1	0.67%	-
Real Estate	NA	2	1.34%	3
Automotive Equipment Rental & Leasing	NA	1	0.67%	5
Legal Services	NA	1	0.67%	2
Accounting & Bookkeeping Services	NA	1	0.67%	-
Management Consulting Services	NA	1	0.67%	3
Advertising & Related Services	NA	1	0.67%	4
Investigation & Security Services	NA	1	0.67%	-
Other Support Services	NA	3	2.01%	6
Elementary & Secondary Schools	NA	2	1.34%	70
Other Ambulatory Health Care Services	NA	2	1.34%	3
Hotels & Motels, Including Casino Hotels	NA	1	0.67%	5
Food Services & Drinking Places	NA	9	6.04%	70
Auto Repair & Maintenance, Exc Car Wash	NA	1	0.67%	2
Household Goods Repair & Maintenance	NA	1	0.67%	1
Personal Care Services	NA	1	0.67%	2
Civic, Social, Professional & Similar Org	NA	2	1.34%	2
Federal Non-Military	NA	7	4.70%	75
<b>Total</b>		<b>149</b>	<b>100%</b>	<b>879</b>

Source: ESRI; InfoUSA; DC Office of Planning; Economics Research Associates, 2008.



17623 - Florida Ave Market

Appendix Table 2: Wholesale and Retail Trade (390) - Output Impact

Industry	Direct	Indirect	Induced	Total
1 Oilseed farming	\$0	\$0	\$0	\$0
2 Grain farming	\$0	\$0	\$0	\$0
3 Vegetable and melon farming	\$0	\$0	\$0	\$0
4 Tree nut farming	\$0	\$0	\$0	\$0
5 Fruit farming	\$0	\$0	\$0	\$0
6 Greenhouse and nursery production	\$0	\$0	\$0	\$0
7 Tobacco farming	\$0	\$0	\$0	\$0
8 Cotton farming	\$0	\$0	\$0	\$0
9 Sugarcane and sugar beet farming	\$0	\$0	\$0	\$0
10 All other crop farming	\$0	\$0	\$0	\$0
11 Cattle ranching and farming	\$0	\$0	\$0	\$0
12 Poultry and egg production	\$0	\$0	\$0	\$0
13 Animal production- except cattle and poultry and e	\$0	\$0	\$0	\$0
14 Logging	\$0	\$141	\$3	\$144
15 Forest nurseries- forest products- and timber trac	\$0	\$0	\$0	\$0
16 Fishing	\$0	\$0	\$0	\$0
17 Hunting and trapping	\$0	\$0	\$218	\$218
18 Agriculture and forestry support activities	\$0	\$31	\$10	\$41
19 Oil and gas extraction	\$0	\$0	\$0	\$0
20 Coal mining	\$0	\$0	\$0	\$0
21 Iron ore mining	\$0	\$0	\$0	\$0
22 Copper- nickel- lead- and zinc mining	\$0	\$0	\$0	\$0
23 Gold- silver- and other metal ore mining	\$0	\$0	\$0	\$0
24 Stone mining and quarrying	\$0	\$0	\$0	\$0
25 Sand- gravel- clay- and refractory mining	\$0	\$0	\$0	\$0
26 Other nonmetallic mineral mining	\$0	\$0	\$0	\$0
27 Drilling oil and gas wells	\$0	\$0	\$0	\$0
28 Support activities for oil and gas operations	\$0	\$0	\$0	\$0
29 Support activities for other mining	\$0	\$0	\$0	\$0
30 Power generation and supply	\$0	\$495,000	\$96,540	\$591,540
31 Natural gas distribution	\$0	\$142,816	\$29,896	\$172,712
32 Water- sewage and other systems	\$0	\$37,594	\$13,824	\$51,417
33 New residential 1-unit structures- all	\$0	\$0	\$0	\$0
34 New multifamily housing structures- all	\$0	\$0	\$0	\$0
35 New residential additions and alterations- all	\$0	\$0	\$0	\$0
36 New farm housing units	\$0	\$0	\$0	\$0
37 Manufacturing and industrial buildings	\$0	\$0	\$0	\$0
38 Commercial and institutional buildings	\$0	\$0	\$0	\$0
39 Highway- street- bridge- and tunnel construction	\$0	\$0	\$0	\$0
40 Water- sewer- and pipeline construction	\$0	\$0	\$0	\$0
41 Other new construction	\$0	\$0	\$0	\$0
42 Maintenance and repair of farm and nonfarm residen	\$0	\$5,654	\$3,635	\$9,289
43 Maintenance and repair of nonresidential buildings	\$0	\$79,144	\$3,742	\$82,886
44 Maintenance and repair of highways- streets- bridg	\$0	\$0	\$0	\$0
45 Other maintenance and repair construction	\$0	\$600	\$108	\$708
46 Dog and cat food manufacturing	\$0	\$0	\$0	\$0
47 Other animal food manufacturing	\$0	\$0	\$0	\$0
48 Flour milling	\$0	\$0	\$0	\$0
49 Rice milling	\$0	\$0	\$0	\$0
50 Malt manufacturing	\$0	\$0	\$0	\$0
51 Wet corn milling	\$0	\$0	\$0	\$0
52 Soybean processing	\$0	\$0	\$0	\$0
53 Other oilseed processing	\$0	\$0	\$0	\$0
54 Fats and oils refining and blending	\$0	\$0	\$0	\$0
55 Breakfast cereal manufacturing	\$0	\$0	\$0	\$0
56 Sugar manufacturing	\$0	\$0	\$0	\$0
57 Confectionery manufacturing from cacao beans	\$0	\$0	\$0	\$0
58 Confectionery manufacturing from purchased chocola	\$0	\$13	\$183	\$196
59 Nonchocolate confectionery manufacturing	\$0	\$0	\$0	\$0
60 Frozen food manufacturing	\$0	\$2	\$6	\$8

61 Fruit and vegetable canning and drying	\$0	\$0	\$0	\$0
62 Fluid milk manufacturing	\$0	\$0	\$0	\$0
63 Creamery butter manufacturing	\$0	\$0	\$0	\$0
64 Cheese manufacturing	\$0	\$0	\$0	\$0
65 Dry- condensed- and evaporated dairy products	\$0	\$0	\$0	\$0
66 Ice cream and frozen dessert manufacturing	\$0	\$0	\$0	\$0
67 Animal- except poultry- slaughtering	\$0	\$0	\$0	\$0
68 Meat processed from carcasses	\$0	\$0	\$0	\$0
69 Rendering and meat byproduct processing	\$0	\$0	\$0	\$0
70 Poultry processing	\$0	\$0	\$0	\$0
71 Seafood product preparation and packaging	\$0	\$0	\$0	\$0
72 Frozen cakes and other pastries manufacturing	\$0	\$0	\$0	\$0
73 Bread and bakery product- except frozen- manufactu	\$0	\$3,645	\$10,157	\$13,802
74 Cookie and cracker manufacturing	\$0	\$0	\$0	\$0
75 Mixes and dough made from purchased flour	\$0	\$0	\$0	\$0
76 Dry pasta manufacturing	\$0	\$0	\$0	\$0
77 Tortilla manufacturing	\$0	\$0	\$0	\$0
78 Roasted nuts and peanut butter manufacturing	\$0	\$0	\$0	\$0
79 Other snack food manufacturing	\$0	\$0	\$0	\$0
80 Coffee and tea manufacturing	\$0	\$0	\$0	\$0
81 Flavoring syrup and concentrate manufacturing	\$0	\$0	\$0	\$0
82 Mayonnaise- dressing- and sauce manufacturing	\$0	\$0	\$0	\$0
83 Spice and extract manufacturing	\$0	\$0	\$0	\$0
84 All other food manufacturing	\$0	\$40	\$546	\$587
85 Soft drink and ice manufacturing	\$0	\$0	\$0	\$0
86 Breweries	\$0	\$8	\$42	\$49
87 Wineries	\$0	\$0	\$0	\$0
88 Distilleries	\$0	\$0	\$0	\$0
89 Tobacco stemming and redrying	\$0	\$0	\$0	\$0
90 Cigarette manufacturing	\$0	\$0	\$536	\$536
91 Other tobacco product manufacturing	\$0	\$0	\$0	\$0
92 Fiber- yarn- and thread mills	\$0	\$0	\$0	\$0
93 Broadwoven fabric mills	\$0	\$3	\$7	\$10
94 Narrow fabric mills and schiffli embroidery	\$0	\$0	\$0	\$0
95 Nonwoven fabric mills	\$0	\$0	\$0	\$0
96 Knit fabric mills	\$0	\$0	\$0	\$0
97 Textile and fabric finishing mills	\$0	\$55	\$2	\$56
98 Fabric coating mills	\$0	\$0	\$0	\$0
99 Carpet and rug mills	\$0	\$19	\$38	\$57
100 Curtain and linen mills	\$0	\$280	\$1,382	\$1,662
101 Textile bag and canvas mills	\$0	\$0	\$0	\$0
102 Tire cord and tire fabric mills	\$0	\$0	\$0	\$0
103 Other miscellaneous textile product mills	\$0	\$0	\$0	\$0
104 Sheer hosiery mills	\$0	\$0	\$0	\$0
105 Other hosiery and sock mills	\$0	\$0	\$0	\$0
106 Other apparel knitting mills	\$0	\$0	\$0	\$0
107 Cut and sew apparel manufacturing	\$0	\$1,259	\$1,735	\$2,994
108 Accessories and other apparel manufacturing	\$0	\$0	\$0	\$0
109 Leather and hide tanning and finishing	\$0	\$0	\$0	\$0
110 Footwear manufacturing	\$0	\$0	\$0	\$0
111 Other leather product manufacturing	\$0	\$0	\$0	\$0
112 Sawmills	\$0	\$0	\$0	\$0
113 Wood preservation	\$0	\$0	\$0	\$0
114 Reconstituted wood product manufacturing	\$0	\$0	\$0	\$0
115 Veneer and plywood manufacturing	\$0	\$0	\$0	\$0
116 Engineered wood member and truss manufacturing	\$0	\$0	\$0	\$0
117 Wood windows and door manufacturing	\$0	\$0	\$0	\$0
118 Cut stock- resawing lumber- and planing	\$0	\$0	\$0	\$0
119 Other millwork- including flooring	\$0	\$1,132	\$82	\$1,214
120 Wood container and pallet manufacturing	\$0	\$0	\$0	\$0
121 Manufactured home- mobile home- manufacturing	\$0	\$0	\$0	\$0
122 Prefabricated wood building manufacturing	\$0	\$0	\$0	\$0
123 Miscellaneous wood product manufacturing	\$0	\$0	\$0	\$0
124 Pulp mills	\$0	\$0	\$0	\$0
125 Paper and paperboard mills	\$0	\$0	\$0	\$0
126 Paperboard container manufacturing	\$0	\$0	\$0	\$0
127 Flexible packaging foil manufacturing	\$0	\$0	\$0	\$0
128 Surface-coated paperboard manufacturing	\$0	\$0	\$0	\$0

129 Coated and laminated paper and packaging materials	\$0	\$0	\$0	\$0
130 Coated and uncoated paper bag manufacturing	\$0	\$0	\$0	\$0
131 Die-cut paper office supplies manufacturing	\$0	\$0	\$0	\$0
132 Envelope manufacturing	\$0	\$1	\$0	\$1
133 Stationery and related product manufacturing	\$0	\$0	\$0	\$0
134 Sanitary paper product manufacturing	\$0	\$0	\$0	\$0
135 All other converted paper product manufacturing	\$0	\$67	\$5	\$73
136 Manifold business forms printing	\$0	\$520	\$19	\$539
137 Books printing	\$0	\$0	\$0	\$0
138 Blankbook and looseleaf binder manufacturing	\$0	\$0	\$0	\$0
139 Commercial printing	\$0	\$51,960	\$1,272	\$53,232
140 Tradebinding and related work	\$0	\$762	\$63	\$825
141 Prepress services	\$0	\$3,665	\$116	\$3,781
142 Petroleum refineries	\$0	\$546,465	\$68,558	\$615,023
143 Asphalt paving mixture and block manufacturing	\$0	\$0	\$0	\$0
144 Asphalt shingle and coating materials manufacturin	\$0	\$0	\$0	\$0
145 Petroleum lubricating oil and grease manufacturing	\$0	\$0	\$0	\$0
146 All other petroleum and coal products manufacturin	\$0	\$16,655	\$537	\$17,193
147 Petrochemical manufacturing	\$0	\$0	\$0	\$0
148 Industrial gas manufacturing	\$0	\$0	\$0	\$0
149 Synthetic dye and pigment manufacturing	\$0	\$0	\$0	\$0
150 Other basic inorganic chemical manufacturing	\$0	\$264	\$31	\$295
151 Other basic organic chemical manufacturing	\$0	\$0	\$0	\$0
152 Plastics material and resin manufacturing	\$0	\$0	\$0	\$0
153 Synthetic rubber manufacturing	\$0	\$0	\$0	\$0
154 Cellulosic organic fiber manufacturing	\$0	\$0	\$0	\$0
155 Noncellulosic organic fiber manufacturing	\$0	\$0	\$0	\$0
156 Nitrogenous fertilizer manufacturing	\$0	\$0	\$0	\$0
157 Phosphatic fertilizer manufacturing	\$0	\$0	\$0	\$0
158 Fertilizer- mixing only- manufacturing	\$0	\$10	\$1	\$12
159 Pesticide and other agricultural chemical manufact	\$0	\$0	\$0	\$0
160 Pharmaceutical and medicine manufacturing	\$0	\$549	\$7,244	\$7,793
161 Paint and coating manufacturing	\$0	\$0	\$0	\$0
162 Adhesive manufacturing	\$0	\$13,528	\$951	\$14,480
163 Soap and other detergent manufacturing	\$0	\$979	\$285	\$1,264
164 Polish and other sanitation good manufacturing	\$0	\$0	\$0	\$0
165 Surface active agent manufacturing	\$0	\$0	\$0	\$0
166 Toilet preparation manufacturing	\$0	\$0	\$0	\$0
167 Printing ink manufacturing	\$0	\$0	\$0	\$0
168 Explosives manufacturing	\$0	\$0	\$0	\$0
169 Custom compounding of purchased resins	\$0	\$0	\$0	\$0
170 Photographic film and chemical manufacturing	\$0	\$0	\$0	\$0
171 Other miscellaneous chemical product manufacturing	\$0	\$0	\$0	\$0
172 Plastics packaging materials- film and sheet	\$0	\$0	\$0	\$0
173 Plastics pipe- fittings- and profile shapes	\$0	\$0	\$0	\$0
174 Laminated plastics plate- sheet- and shapes	\$0	\$0	\$0	\$0
175 Plastics bottle manufacturing	\$0	\$0	\$0	\$0
176 Resilient floor covering manufacturing	\$0	\$330	\$26	\$355
177 Plastics plumbing fixtures and all other plastics	\$0	\$0	\$0	\$0
178 Foam product manufacturing	\$0	\$0	\$0	\$0
179 Tire manufacturing	\$0	\$12	\$4	\$16
180 Rubber and plastics hose and belting manufacturing	\$0	\$0	\$0	\$0
181 Other rubber product manufacturing	\$0	\$0	\$0	\$0
182 Vitreous china plumbing fixture manufacturing	\$0	\$0	\$0	\$0
183 Vitreous china and earthenware articles manufactur	\$0	\$100	\$140	\$240
184 Porcelain electrical supply manufacturing	\$0	\$0	\$0	\$0
185 Brick and structural clay tile manufacturing	\$0	\$0	\$0	\$0
186 Ceramic wall and floor tile manufacturing	\$0	\$0	\$0	\$0
187 Nonclay refractory manufacturing	\$0	\$0	\$0	\$0
188 Clay refractory and other structural clay products	\$0	\$0	\$0	\$0
189 Glass container manufacturing	\$0	\$0	\$0	\$0
190 Glass and glass products- except glass containers	\$0	\$0	\$0	\$0
191 Cement manufacturing	\$0	\$0	\$0	\$0
192 Ready-mix concrete manufacturing	\$0	\$2	\$0	\$2
193 Concrete block and brick manufacturing	\$0	\$0	\$0	\$0
194 Concrete pipe manufacturing	\$0	\$0	\$0	\$0
195 Other concrete product manufacturing	\$0	\$0	\$0	\$0
196 Lime manufacturing	\$0	\$0	\$0	\$0

197 Gypsum product manufacturing	\$0	\$0	\$0	\$0
198 Abrasive product manufacturing	\$0	\$0	\$0	\$0
199 Cut stone and stone product manufacturing	\$0	\$0	\$0	\$0
200 Ground or treated minerals and earths manufacturin	\$0	\$0	\$0	\$0
201 Mineral wool manufacturing	\$0	\$0	\$0	\$0
202 Miscellaneous nonmetallic mineral products	\$0	\$0	\$0	\$0
203 Iron and steel mills	\$0	\$22	\$2	\$25
204 Ferroalloy and related product manufacturing	\$0	\$0	\$0	\$0
205 Iron- steel pipe and tube from purchased steel	\$0	\$0	\$0	\$0
206 Rolled steel shape manufacturing	\$0	\$0	\$0	\$0
207 Steel wire drawing	\$0	\$0	\$0	\$0
208 Alumina refining	\$0	\$0	\$0	\$0
209 Primary aluminum production	\$0	\$86	\$0	\$86
210 Secondary smelting and alloying of aluminum	\$0	\$292	\$1	\$293
211 Aluminum sheet- plate- and foil manufacturing	\$0	\$0	\$0	\$0
212 Aluminum extruded product manufacturing	\$0	\$0	\$0	\$0
213 Other aluminum rolling and drawing	\$0	\$0	\$0	\$0
214 Primary smelting and refining of copper	\$0	\$0	\$0	\$0
215 Primary nonferrous metal- except copper and alumin	\$0	\$0	\$0	\$0
216 Copper rolling- drawing- and extruding	\$0	\$0	\$0	\$0
217 Copper wire- except mechanical- drawing	\$0	\$0	\$0	\$0
218 Secondary processing of copper	\$0	\$0	\$0	\$0
219 Nonferrous metal- except copper and aluminum- shap	\$0	\$0	\$0	\$0
220 Secondary processing of other nonferrous	\$0	\$0	\$0	\$0
221 Ferrous metal foundaries	\$0	\$0	\$0	\$0
222 Aluminum foundries	\$0	\$0	\$0	\$0
223 Nonferrous foundries- except aluminum	\$0	\$0	\$0	\$0
224 Iron and steel forging	\$0	\$0	\$0	\$0
225 Nonferrous forging	\$0	\$0	\$0	\$0
226 Custom roll forming	\$0	\$0	\$0	\$0
227 All other forging and stamping	\$0	\$0	\$0	\$0
228 Cutlery and flatware- except precious- manufacturi	\$0	\$0	\$0	\$0
229 Hand and edge tool manufacturing	\$0	\$0	\$0	\$0
230 Saw blade and handsaw manufacturing	\$0	\$0	\$0	\$0
231 Kitchen utensil- pot- and pan manufacturing	\$0	\$0	\$0	\$0
232 Prefabricated metal buildings and components	\$0	\$0	\$0	\$0
233 Fabricated structural metal manufacturing	\$0	\$41	\$1	\$42
234 Plate work manufacturing	\$0	\$0	\$0	\$0
235 Metal window and door manufacturing	\$0	\$0	\$0	\$0
236 Sheet metal work manufacturing	\$0	\$170	\$1	\$171
237 Ornamental and architectural metal work manufactur	\$0	\$496	\$12	\$508
238 Power boiler and heat exchanger manufacturing	\$0	\$0	\$0	\$0
239 Metal tank- heavy gauge- manufacturing	\$0	\$0	\$0	\$0
240 Metal can- box- and other container manufacturing	\$0	\$0	\$0	\$0
241 Hardware manufacturing	\$0	\$0	\$0	\$0
242 Spring and wire product manufacturing	\$0	\$0	\$0	\$0
243 Machine shops	\$0	\$0	\$0	\$0
244 Turned product and screw- nut- and bolt manufactur	\$0	\$0	\$0	\$0
245 Metal heat treating	\$0	\$0	\$0	\$0
246 Metal coating and nonprecious engraving	\$0	\$0	\$0	\$0
247 Electroplating- anodizing- and coloring metal	\$0	\$0	\$0	\$0
248 Metal valve manufacturing	\$0	\$120	\$10	\$129
249 Ball and roller bearing manufacturing	\$0	\$0	\$0	\$0
250 Small arms manufacturing	\$0	\$0	\$0	\$0
251 Other ordnance and accessories manufacturing	\$0	\$0	\$0	\$0
252 Fabricated pipe and pipe fitting manufacturing	\$0	\$0	\$0	\$0
253 Industrial pattern manufacturing	\$0	\$0	\$0	\$0
254 Enameled iron and metal sanitary ware manufacturin	\$0	\$0	\$0	\$0
255 Miscellaneous fabricated metal product manufacturi	\$0	\$0	\$0	\$0
256 Ammunition manufacturing	\$0	\$0	\$0	\$0
257 Farm machinery and equipment manufacturing	\$0	\$0	\$0	\$0
258 Lawn and garden equipment manufacturing	\$0	\$0	\$0	\$0
259 Construction machinery manufacturing	\$0	\$107	\$6	\$113
260 Mining machinery and equipment manufacturing	\$0	\$0	\$0	\$0
261 Oil and gas field machinery and equipment	\$0	\$34	\$1	\$35
262 Sawmill and woodworking machinery	\$0	\$0	\$0	\$0
263 Plastics and rubber industry machinery	\$0	\$0	\$0	\$0
264 Paper industry machinery manufacturing	\$0	\$0	\$0	\$0

265 Textile machinery manufacturing	\$0	\$0	\$0	\$0
266 Printing machinery and equipment manufacturing	\$0	\$0	\$0	\$0
267 Food product machinery manufacturing	\$0	\$0	\$0	\$0
268 Semiconductor machinery manufacturing	\$0	\$0	\$0	\$0
269 All other industrial machinery manufacturing	\$0	\$0	\$0	\$0
270 Office machinery manufacturing	\$0	\$3,596	\$243	\$3,838
271 Optical instrument and lens manufacturing	\$0	\$0	\$0	\$0
272 Photographic and photocopying equipment manufactur	\$0	\$0	\$0	\$0
273 Other commercial and service industry machinery ma	\$0	\$0	\$0	\$0
274 Automatic vending- commercial laundry and dryclean	\$0	\$0	\$0	\$0
275 Air purification equipment manufacturing	\$0	\$0	\$0	\$0
276 Industrial and commercial fan and blower manufactu	\$0	\$0	\$0	\$0
277 Heating equipment- except warm air furnaces	\$0	\$0	\$0	\$0
278 AC- refrigeration- and forced air heating	\$0	\$0	\$0	\$0
279 Industrial mold manufacturing	\$0	\$0	\$0	\$0
280 Metal cutting machine tool manufacturing	\$0	\$0	\$0	\$0
281 Metal forming machine tool manufacturing	\$0	\$0	\$0	\$0
282 Special tool- die- jig- and fixture manufacturing	\$0	\$0	\$0	\$0
283 Cutting tool and machine tool accessory manufactur	\$0	\$0	\$0	\$0
284 Rolling mill and other metalworking machinery	\$0	\$0	\$0	\$0
285 Turbine and turbine generator set units manufactur	\$0	\$57	\$9	\$66
286 Other engine equipment manufacturing	\$0	\$0	\$0	\$0
287 Speed changers and mechanical power transmission e	\$0	\$0	\$0	\$0
288 Pump and pumping equipment manufacturing	\$0	\$0	\$0	\$0
289 Air and gas compressor manufacturing	\$0	\$0	\$0	\$0
290 Measuring and dispensing pump manufacturing	\$0	\$0	\$0	\$0
291 Elevator and moving stairway manufacturing	\$0	\$3	\$1	\$4
292 Conveyor and conveying equipment manufacturing	\$0	\$19	\$2	\$21
293 Overhead cranes- hoists- and monorail systems	\$0	\$50	\$1	\$51
294 Industrial truck- trailer- and stacker manufacturi	\$0	\$0	\$0	\$0
295 Power-driven handtool manufacturing	\$0	\$0	\$0	\$0
296 Welding and soldering equipment manufacturing	\$0	\$0	\$0	\$0
297 Packaging machinery manufacturing	\$0	\$0	\$0	\$0
298 Industrial process furnace and oven manufacturing	\$0	\$0	\$0	\$0
299 Fluid power cylinder and actuator manufacturing	\$0	\$0	\$0	\$0
300 Fluid power pump and motor manufacturing	\$0	\$0	\$0	\$0
301 Scales- balances- and miscellaneous general purpos	\$0	\$0	\$0	\$0
302 Electronic computer manufacturing	\$0	\$0	\$0	\$0
303 Computer storage device manufacturing	\$0	\$0	\$0	\$0
304 Computer terminal manufacturing	\$0	\$37	\$4	\$41
305 Other computer peripheral equipment manufacturing	\$0	\$0	\$0	\$0
306 Telephone apparatus manufacturing	\$0	\$8,467	\$769	\$9,235
307 Broadcast and wireless communications equipment	\$0	\$304	\$59	\$362
308 Other communications equipment manufacturing	\$0	\$0	\$0	\$0
309 Audio and video equipment manufacturing	\$0	\$85	\$293	\$378
310 Electron tube manufacturing	\$0	\$0	\$0	\$0
311 Semiconductors and related device manufacturing	\$0	\$192,985	\$1,134	\$194,119
312 All other electronic component manufacturing	\$0	\$0	\$0	\$0
313 Electromedical apparatus manufacturing	\$0	\$4	\$45	\$48
314 Search- detection- and navigation instruments	\$0	\$6	\$3	\$9
315 Automatic environmental control manufacturing	\$0	\$0	\$0	\$0
316 Industrial process variable instruments	\$0	\$0	\$0	\$0
317 Totalizing fluid meters and counting devices	\$0	\$0	\$0	\$0
318 Electricity and signal testing instruments	\$0	\$77	\$1	\$78
319 Analytical laboratory instrument manufacturing	\$0	\$1	\$2	\$3
320 Irradiation apparatus manufacturing	\$0	\$0	\$0	\$0
321 Watch- clock- and other measuring and controlling	\$0	\$0	\$0	\$0
322 Software reproducing	\$0	\$70,929	\$726	\$71,655
323 Audio and video media reproduction	\$0	\$0	\$0	\$0
324 Magnetic and optical recording media manufacturing	\$0	\$2,268	\$122	\$2,390
325 Electric lamp bulb and part manufacturing	\$0	\$0	\$0	\$0
326 Lighting fixture manufacturing	\$0	\$0	\$0	\$0
327 Electric housewares and household fan manufacturin	\$0	\$0	\$0	\$0
328 Household vacuum cleaner manufacturing	\$0	\$0	\$0	\$0
329 Household cooking appliance manufacturing	\$0	\$0	\$0	\$0
330 Household refrigerator and home freezer manufactur	\$0	\$0	\$0	\$0
331 Household laundry equipment manufacturing	\$0	\$0	\$0	\$0
332 Other major household appliance manufacturing	\$0	\$0	\$0	\$0

333 Electric power and specialty transformer manufactu	\$0	\$0	\$0	\$0
334 Motor and generator manufacturing	\$0	\$0	\$0	\$0
335 Switchgear and switchboard apparatus manufacturing	\$0	\$0	\$0	\$0
336 Relay and industrial control manufacturing	\$0	\$0	\$0	\$0
337 Storage battery manufacturing	\$0	\$0	\$0	\$0
338 Primary battery manufacturing	\$0	\$0	\$0	\$0
339 Fiber optic cable manufacturing	\$0	\$0	\$0	\$0
340 Other communication and energy wire manufacturing	\$0	\$1,894	\$67	\$1,961
341 Wiring device manufacturing	\$0	\$517	\$10	\$527
342 Carbon and graphite product manufacturing	\$0	\$0	\$0	\$0
343 Miscellaneous electrical equipment manufacturing	\$0	\$0	\$0	\$0
344 Automobile and light truck manufacturing	\$0	\$0	\$0	\$0
345 Heavy duty truck manufacturing	\$0	\$0	\$0	\$0
346 Motor vehicle body manufacturing	\$0	\$0	\$0	\$0
347 Truck trailer manufacturing	\$0	\$0	\$0	\$0
348 Motor home manufacturing	\$0	\$0	\$0	\$0
349 Travel trailer and camper manufacturing	\$0	\$0	\$0	\$0
350 Motor vehicle parts manufacturing	\$0	\$0	\$0	\$0
351 Aircraft manufacturing	\$0	\$0	\$0	\$0
352 Aircraft engine and engine parts manufacturing	\$0	\$24	\$1	\$25
353 Other aircraft parts and equipment	\$0	\$0	\$0	\$0
354 Guided missile and space vehicle manufacturing	\$0	\$0	\$0	\$0
355 Propulsion units and parts for space vehicles and	\$0	\$0	\$0	\$0
356 Railroad rolling stock manufacturing	\$0	\$0	\$0	\$0
357 Ship building and repairing	\$0	\$0	\$0	\$0
358 Boat building	\$0	\$0	\$0	\$0
359 Motorcycle- bicycle- and parts manufacturing	\$0	\$0	\$0	\$0
360 Military armored vehicles and tank parts manufactu	\$0	\$0	\$0	\$0
361 All other transportation equipment manufacturing	\$0	\$0	\$0	\$0
362 Wood kitchen cabinet and countertop manufacturing	\$0	\$17,582	\$1,711	\$19,294
363 Upholstered household furniture manufacturing	\$0	\$0	\$963	\$963
364 Nonupholstered wood household furniture manufactur	\$0	\$5	\$128	\$132
365 Metal household furniture manufacturing	\$0	\$0	\$0	\$0
366 Institutional furniture manufacturing	\$0	\$0	\$0	\$0
367 Other household and institutional furniture	\$0	\$0	\$0	\$0
368 Wood office furniture manufacturing	\$0	\$0	\$2	\$3
369 Custom architectural woodwork and millwork	\$0	\$0	\$0	\$0
370 Office furniture- except wood- manufacturing	\$0	\$3	\$2	\$4
371 Showcases- partitions- shelving- and lockers	\$0	\$0	\$0	\$0
372 Mattress manufacturing	\$0	\$0	\$0	\$0
373 Blind and shade manufacturing	\$0	\$0	\$0	\$0
374 Laboratory apparatus and furniture manufacturing	\$0	\$0	\$0	\$0
375 Surgical and medical instrument manufacturing	\$0	\$0	\$0	\$0
376 Surgical appliance and supplies manufacturing	\$0	\$0	\$0	\$0
377 Dental equipment and supplies manufacturing	\$0	\$0	\$0	\$0
378 Ophthalmic goods manufacturing	\$0	\$0	\$0	\$0
379 Dental laboratories	\$0	\$0	\$151	\$151
380 Jewelry and silverware manufacturing	\$0	\$329	\$835	\$1,164
381 Sporting and athletic goods manufacturing	\$0	\$0	\$0	\$0
382 Doll- toy- and game manufacturing	\$0	\$0	\$0	\$0
383 Office supplies- except paper- manufacturing	\$0	\$68	\$36	\$104
384 Sign manufacturing	\$0	\$1,002	\$20	\$1,022
385 Gasket- packing- and sealing device manufacturing	\$0	\$0	\$0	\$0
386 Musical instrument manufacturing	\$0	\$1	\$11	\$11
387 Broom- brush- and mop manufacturing	\$0	\$8	\$1	\$8
388 Burial casket manufacturing	\$0	\$0	\$0	\$0
389 Buttons- pins- and all other miscellaneous manufac	\$0	\$49	\$21	\$70
390 Wholesale trade	\$97,190,088	\$2,474,704	\$264,172	\$99,928,964
391 Air transportation	\$0	\$29,896	\$4,193	\$34,089
392 Rail transportation	\$0	\$60,766	\$11,774	\$72,540
393 Water transportation	\$0	\$6,185	\$6,399	\$12,585
394 Truck transportation	\$0	\$27,623	\$7,311	\$34,935
395 Transit and ground passenger transportation	\$0	\$20,975	\$5,617	\$26,592
396 Pipeline transportation	\$0	\$0	\$0	\$0
397 Scenic and sightseeing transportation and support	\$0	\$33,085	\$2,204	\$35,289
398 Postal service	\$0	\$507,695	\$22,598	\$530,293
399 Couriers and messengers	\$0	\$510,870	\$5,429	\$516,299
400 Warehousing and storage	\$0	\$65,417	\$1,165	\$66,582

401 Motor vehicle and parts dealers	\$0	\$11,575	\$13,096	\$24,671
402 Furniture and home furnishings stores	\$0	\$30,350	\$28,238	\$58,588
403 Electronics and appliance stores	\$0	\$1,214	\$984	\$2,198
404 Building material and garden supply stores	\$0	\$47,506	\$45,126	\$92,633
405 Food and beverage stores	\$0	\$127,535	\$143,105	\$270,640
406 Health and personal care stores	\$0	\$52,665	\$48,545	\$101,210
407 Gasoline stations	\$0	\$14,461	\$13,956	\$28,418
408 Clothing and clothing accessories stores	\$0	\$57,300	\$69,302	\$126,602
409 Sporting goods- hobby- book and music stores	\$0	\$21,527	\$22,731	\$44,258
410 General merchandise stores	\$0	\$18,402	\$20,670	\$39,071
411 Miscellaneous store retailers	\$0	\$25,152	\$28,262	\$53,414
412 Nonstore retailers	\$0	\$27,411	\$26,463	\$53,874
413 Newspaper publishers	\$0	\$404,676	\$11,560	\$416,235
414 Periodical publishers	\$0	\$312,169	\$12,696	\$324,865
415 Book publishers	\$0	\$3,375	\$2,655	\$6,030
416 Database- directory- and other publishers	\$0	\$31,146	\$2,400	\$33,546
417 Software publishers	\$0	\$769	\$5,725	\$6,493
418 Motion picture and video industries	\$0	\$89,456	\$16,684	\$106,140
419 Sound recording industries	\$0	\$6,035	\$7,130	\$13,165
420 Radio and television broadcasting	\$0	\$675,150	\$21,972	\$697,122
421 Cable networks and program distribution	\$0	\$65,074	\$64,784	\$129,858
422 Telecommunications	\$0	\$1,353,788	\$113,105	\$1,466,893
423 Information services	\$0	\$131,316	\$6,622	\$137,939
424 Data processing services	\$0	\$94,041	\$2,330	\$96,372
425 Nondepository credit intermediation and related a	\$0	\$1,651,215	\$83,077	\$1,734,291
426 Securities- commodity contracts- investments	\$0	\$467,319	\$124,187	\$591,506
427 Insurance carriers	\$0	\$201,018	\$194,034	\$395,052
428 Insurance agencies- brokerages- and related	\$0	\$40,095	\$39,362	\$79,456
429 Funds- trusts- and other financial vehicles	\$0	\$1,568	\$72,388	\$73,956
430 Monetary authorities and depository credit interme	\$0	\$872,170	\$211,117	\$1,083,287
431 Real estate	\$0	\$3,741,855	\$362,434	\$4,104,289
432 Automotive equipment rental and leasing	\$0	\$17,929	\$2,404	\$20,334
433 Video tape and disc rental	\$0	\$247	\$2,920	\$3,167
434 Machinery and equipment rental and leasing	\$0	\$272,546	\$7,466	\$280,012
435 General and consumer goods rental except video tap	\$0	\$43,313	\$2,873	\$46,187
436 Lessors of nonfinancial intangible assets	\$0	\$11,074	\$450	\$11,524
437 Legal services	\$0	\$1,055,377	\$111,118	\$1,166,495
438 Accounting and bookkeeping services	\$0	\$984,375	\$34,599	\$1,018,974
439 Architectural and engineering services	\$0	\$273,565	\$15,829	\$289,394
440 Specialized design services	\$0	\$247,379	\$5,097	\$252,476
441 Custom computer programming services	\$0	\$12,603	\$351	\$12,953
442 Computer systems design services	\$0	\$452,675	\$9,041	\$461,716
443 Other computer related services- including facilit	\$0	\$72,308	\$1,984	\$74,292
444 Management consulting services	\$0	\$1,788,949	\$33,090	\$1,822,038
445 Environmental and other technical consulting servi	\$0	\$113,290	\$6,354	\$119,644
446 Scientific research and development services	\$0	\$307,339	\$15,756	\$323,094
447 Advertising and related services	\$0	\$1,447,659	\$28,524	\$1,476,183

448 Photographic services	\$0	\$14,356	\$2,103	\$16,459
449 Veterinary services	\$0	\$674	\$10,586	\$11,260
450 All other miscellaneous professional and technical	\$0	\$266,590	\$15,220	\$281,809
451 Management of companies and enterprises	\$0	\$3,391,651	\$57,228	\$3,448,879
452 Office administrative services	\$0	\$661,864	\$21,733	\$683,597
453 Facilities support services	\$0	\$24,512	\$835	\$25,348
454 Employment services	\$0	\$1,117,445	\$31,852	\$1,149,296
455 Business support services	\$0	\$469,132	\$12,594	\$481,726
456 Travel arrangement and reservation services	\$0	\$39,268	\$11,020	\$50,288
457 Investigation and security services	\$0	\$228,505	\$5,901	\$234,406
458 Services to buildings and dwellings	\$0	\$937,141	\$39,266	\$976,407
459 Other support services	\$0	\$186,645	\$2,784	\$189,429
460 Waste management and remediation services	\$0	\$43,634	\$4,098	\$47,732
461 Elementary and secondary schools	\$0	\$0	\$40,733	\$40,733
462 Colleges- universities- and junior colleges	\$0	\$137,045	\$127,265	\$264,310
463 Other educational services	\$0	\$31,841	\$35,599	\$67,439
464 Home health care services	\$0	\$0	\$23,954	\$23,954
465 Offices of physicians- dentists- and other health	\$0	\$0	\$311,367	\$311,367
466 Other ambulatory health care services	\$0	\$603	\$104,397	\$105,000
467 Hospitals	\$0	\$0	\$565,243	\$565,243
468 Nursing and residential care facilities	\$0	\$0	\$126,879	\$126,879
469 Child day care services	\$0	\$0	\$51,920	\$51,920
470 Social assistance- except child day care services	\$0	\$97	\$83,405	\$83,502
471 Performing arts companies	\$0	\$14,718	\$6,729	\$21,447
472 Spectator sports	\$0	\$117,178	\$12,947	\$130,125
473 Independent artists- writers- and performers	\$0	\$20,560	\$1,302	\$21,863
474 Promoters of performing arts and sports and agents	\$0	\$37,627	\$8,630	\$46,257
475 Museums- historical sites- zoos- and parks	\$0	\$0	\$8,273	\$8,273
476 Fitness and recreational sports centers	\$0	\$32,048	\$11,816	\$43,864
477 Bowling centers	\$0	\$0	\$16	\$16
478 Other amusement- gambling- and recreation industri	\$0	\$8,839	\$22,268	\$31,106
479 Hotels and motels- including casino hotels	\$0	\$710,584	\$73,306	\$783,889
480 Other accommodations	\$0	\$1,111	\$15,096	\$16,207
481 Food services and drinking places	\$0	\$500,038	\$382,570	\$882,608
482 Car washes	\$0	\$14,813	\$3,030	\$17,843
483 Automotive repair and maintenance- except car wash	\$0	\$23,933	\$13,378	\$37,311
484 Electronic equipment repair and maintenance	\$0	\$24,046	\$701	\$24,747
485 Commercial machinery repair and maintenance	\$0	\$44,809	\$884	\$45,693
486 Household goods repair and maintenance	\$0	\$31,956	\$4,339	\$36,295
487 Personal care services	\$0	\$0	\$38,910	\$38,910
488 Death care services	\$0	\$0	\$5,695	\$5,695
489 Drycleaning and laundry services	\$0	\$12,894	\$11,090	\$23,984
490 Other personal services	\$0	\$128,719	\$47,976	\$176,694
491 Religious organizations	\$0	\$0	\$50,182	\$50,182
492 Grantmaking and giving and social advocacy organiz	\$0	\$0	\$26,739	\$26,739
493 Civic- social- professional and similar organizati	\$0	\$158,468	\$49,012	\$207,480
494 Private households	\$0	\$0	\$22,277	\$22,277
495 Federal electric utilities	\$0	\$0	\$0	\$0
496 Other Federal Government enterprises	\$0	\$130,304	\$85,303	\$215,608
497 State and local government passenger transit	\$0	\$67,653	\$18,116	\$85,769
498 State and local government electric utilities	\$0	\$0	\$0	\$0
499 Other State and local government enterprises	\$0	\$353,332	\$97,877	\$451,209
500 Noncomparable imports	\$0	\$0	\$0	\$0
501 Scrap	\$0	\$0	\$0	\$0
502 Used and secondhand goods	\$0	\$0	\$0	\$0
503 State & Local Education	\$0	\$0	\$0	\$0
504 State & Local Non-Education	\$0	\$0	\$0	\$0
505 Federal Military	\$0	\$0	\$0	\$0
506 Federal Non-Military	\$0	\$0	\$0	\$0
507 Rest of the world adjustment to final uses	\$0	\$0	\$0	\$0
508 Inventory valuation adjustment	\$0	\$0	\$0	\$0
509 Owner-occupied dwellings	\$0	\$0	\$1,070,136	\$1,070,136
25001 Foreign Trade	\$0	\$0	\$0	\$0
28001 Domestic Trade	\$0	\$0	\$0	\$0
<b>Total</b>	<b>\$97,190,088</b>	<b>\$33,104,846</b>	<b>\$6,447,386</b>	<b>\$136,742,320</b>

Source: MIG; Economics Research Associates, 2008.

Appendix Table 3: Wholesale and Retail Trade (390) - Employment Impact

Industry	Direct	Indirect	Induced	Total
1 Oilseed farming	0.0	0.0	0.0	0.0
2 Grain farming	0.0	0.0	0.0	0.0
3 Vegetable and melon farming	0.0	0.0	0.0	0.0
4 Tree nut farming	0.0	0.0	0.0	0.0
5 Fruit farming	0.0	0.0	0.0	0.0
6 Greenhouse and nursery production	0.0	0.0	0.0	0.0
7 Tobacco farming	0.0	0.0	0.0	0.0
8 Cotton farming	0.0	0.0	0.0	0.0
9 Sugarcane and sugar beet farming	0.0	0.0	0.0	0.0
10 All other crop farming	0.0	0.0	0.0	0.0
11 Cattle ranching and farming	0.0	0.0	0.0	0.0
12 Poultry and egg production	0.0	0.0	0.0	0.0
13 Animal production- except cattle and poultry and e	0.0	0.0	0.0	0.0
14 Logging	0.0	0.0	0.0	0.0
15 Forest nurseries- forest products- and timber trac	0.0	0.0	0.0	0.0
16 Fishing	0.0	0.0	0.0	0.0
17 Hunting and trapping	0.0	0.0	0.0	0.0
18 Agriculture and forestry support activities	0.0	0.0	0.0	0.0
19 Oil and gas extraction	0.0	0.0	0.0	0.0
20 Coal mining	0.0	0.0	0.0	0.0
21 Iron ore mining	0.0	0.0	0.0	0.0
22 Copper- nickel- lead- and zinc mining	0.0	0.0	0.0	0.0
23 Gold- silver- and other metal ore mining	0.0	0.0	0.0	0.0
24 Stone mining and quarrying	0.0	0.0	0.0	0.0
25 Sand- gravel- clay- and refractory mining	0.0	0.0	0.0	0.0
26 Other nonmetallic mineral mining	0.0	0.0	0.0	0.0
27 Drilling oil and gas wells	0.0	0.0	0.0	0.0
28 Support activities for oil and gas operations	0.0	0.0	0.0	0.0
29 Support activities for other mining	0.0	0.0	0.0	0.0
30 Power generation and supply	0.0	0.9	0.2	1.0
31 Natural gas distribution	0.0	0.2	0.0	0.2
32 Water- sewage and other systems	0.0	0.2	0.1	0.2
33 New residential 1-unit structures- all	0.0	0.0	0.0	0.0
34 New multifamily housing structures- all	0.0	0.0	0.0	0.0
35 New residential additions and alterations- all	0.0	0.0	0.0	0.0
36 New farm housing units	0.0	0.0	0.0	0.0
37 Manufacturing and industrial buildings	0.0	0.0	0.0	0.0
38 Commercial and institutional buildings	0.0	0.0	0.0	0.0
39 Highway- street- bridge- and tunnel construction	0.0	0.0	0.0	0.0
40 Water- sewer- and pipeline construction	0.0	0.0	0.0	0.0
41 Other new construction	0.0	0.0	0.0	0.0
42 Maintenance and repair of farm and nonfarm residen	0.0	0.0	0.0	0.1
43 Maintenance and repair of nonresidential buildings	0.0	0.6	0.0	0.6
44 Maintenance and repair of highways- streets- bridg	0.0	0.0	0.0	0.0
45 Other maintenance and repair construction	0.0	0.0	0.0	0.0
46 Dog and cat food manufacturing	0.0	0.0	0.0	0.0
47 Other animal food manufacturing	0.0	0.0	0.0	0.0
48 Flour milling	0.0	0.0	0.0	0.0
49 Rice milling	0.0	0.0	0.0	0.0
50 Malt manufacturing	0.0	0.0	0.0	0.0
51 Wet corn milling	0.0	0.0	0.0	0.0
52 Soybean processing	0.0	0.0	0.0	0.0
53 Other oilseed processing	0.0	0.0	0.0	0.0
54 Fats and oils refining and blending	0.0	0.0	0.0	0.0
55 Breakfast cereal manufacturing	0.0	0.0	0.0	0.0
56 Sugar manufacturing	0.0	0.0	0.0	0.0
57 Confectionery manufacturing from cacao beans	0.0	0.0	0.0	0.0
58 Confectionery manufacturing from purchased chocola	0.0	0.0	0.0	0.0
59 Nonchocolate confectionery manufacturing	0.0	0.0	0.0	0.0
60 Frozen food manufacturing	0.0	0.0	0.0	0.0

Appendix Table 3: Wholesale and Retail Trade (390) - Employment Impact

Industry	Direct	Indirect	Induced	Total
1 Oilseed farming	0.0	0.0	0.0	0.0
2 Grain farming	0.0	0.0	0.0	0.0
3 Vegetable and melon farming	0.0	0.0	0.0	0.0
4 Tree nut farming	0.0	0.0	0.0	0.0
5 Fruit farming	0.0	0.0	0.0	0.0
6 Greenhouse and nursery production	0.0	0.0	0.0	0.0
7 Tobacco farming	0.0	0.0	0.0	0.0
8 Cotton farming	0.0	0.0	0.0	0.0
9 Sugarcane and sugar beet farming	0.0	0.0	0.0	0.0
10 All other crop farming	0.0	0.0	0.0	0.0
11 Cattle ranching and farming	0.0	0.0	0.0	0.0
12 Poultry and egg production	0.0	0.0	0.0	0.0
13 Animal production- except cattle and poultry and e	0.0	0.0	0.0	0.0
14 Logging	0.0	0.0	0.0	0.0
15 Forest nurseries- forest products- and timber trac	0.0	0.0	0.0	0.0
16 Fishing	0.0	0.0	0.0	0.0
17 Hunting and trapping	0.0	0.0	0.0	0.0
18 Agriculture and forestry support activities	0.0	0.0	0.0	0.0
19 Oil and gas extraction	0.0	0.0	0.0	0.0
20 Coal mining	0.0	0.0	0.0	0.0
21 Iron ore mining	0.0	0.0	0.0	0.0
22 Copper- nickel- lead- and zinc mining	0.0	0.0	0.0	0.0
23 Gold- silver- and other metal ore mining	0.0	0.0	0.0	0.0
24 Stone mining and quarrying	0.0	0.0	0.0	0.0
25 Sand- gravel- clay- and refractory mining	0.0	0.0	0.0	0.0
26 Other nonmetallic mineral mining	0.0	0.0	0.0	0.0
27 Drilling oil and gas wells	0.0	0.0	0.0	0.0
28 Support activities for oil and gas operations	0.0	0.0	0.0	0.0
29 Support activities for other mining	0.0	0.0	0.0	0.0
30 Power generation and supply	0.0	0.9	0.2	1.0
31 Natural gas distribution	0.0	0.2	0.0	0.2
32 Water- sewage and other systems	0.0	0.2	0.1	0.2
33 New residential 1-unit structures- all	0.0	0.0	0.0	0.0
34 New multifamily housing structures- all	0.0	0.0	0.0	0.0
35 New residential additions and alterations- all	0.0	0.0	0.0	0.0
36 New farm housing units	0.0	0.0	0.0	0.0
37 Manufacturing and industrial buildings	0.0	0.0	0.0	0.0
38 Commercial and institutional buildings	0.0	0.0	0.0	0.0
39 Highway- street- bridge- and tunnel construction	0.0	0.0	0.0	0.0
40 Water- sewer- and pipeline construction	0.0	0.0	0.0	0.0
41 Other new construction	0.0	0.0	0.0	0.0
42 Maintenance and repair of farm and nonfarm residen	0.0	0.0	0.0	0.1
43 Maintenance and repair of nonresidential buildings	0.0	0.6	0.0	0.6
44 Maintenance and repair of highways- streets- bridg	0.0	0.0	0.0	0.0
45 Other maintenance and repair construction	0.0	0.0	0.0	0.0
46 Dog and cat food manufacturing	0.0	0.0	0.0	0.0
47 Other animal food manufacturing	0.0	0.0	0.0	0.0
48 Flour milling	0.0	0.0	0.0	0.0
49 Rice milling	0.0	0.0	0.0	0.0
50 Malt manufacturing	0.0	0.0	0.0	0.0
51 Wet corn milling	0.0	0.0	0.0	0.0
52 Soybean processing	0.0	0.0	0.0	0.0
53 Other oilseed processing	0.0	0.0	0.0	0.0
54 Fats and oils refining and blending	0.0	0.0	0.0	0.0
55 Breakfast cereal manufacturing	0.0	0.0	0.0	0.0
56 Sugar manufacturing	0.0	0.0	0.0	0.0
57 Confectionery manufacturing from cacao beans	0.0	0.0	0.0	0.0
58 Confectionery manufacturing from purchased chocola	0.0	0.0	0.0	0.0
59 Nonchocolate confectionery manufacturing	0.0	0.0	0.0	0.0
60 Frozen food manufacturing	0.0	0.0	0.0	0.0

61 Fruit and vegetable canning and drying	0.0	0.0	0.0	0.0
62 Fluid milk manufacturing	0.0	0.0	0.0	0.0
63 Creamery butter manufacturing	0.0	0.0	0.0	0.0
64 Cheese manufacturing	0.0	0.0	0.0	0.0
65 Dry- condensed- and evaporated dairy products	0.0	0.0	0.0	0.0
66 Ice cream and frozen dessert manufacturing	0.0	0.0	0.0	0.0
67 Animal- except poultry- slaughtering	0.0	0.0	0.0	0.0
68 Meat processed from carcasses	0.0	0.0	0.0	0.0
69 Rendering and meat byproduct processing	0.0	0.0	0.0	0.0
70 Poultry processing	0.0	0.0	0.0	0.0
71 Seafood product preparation and packaging	0.0	0.0	0.0	0.0
72 Frozen cakes and other pastries manufacturing	0.0	0.0	0.0	0.0
73 Bread and bakery product- except frozen- manufactu	0.0	0.0	0.1	0.1
74 Cookie and cracker manufacturing	0.0	0.0	0.0	0.0
75 Mixes and dough made from purchased flour	0.0	0.0	0.0	0.0
76 Dry pasta manufacturing	0.0	0.0	0.0	0.0
77 Tortilla manufacturing	0.0	0.0	0.0	0.0
78 Roasted nuts and peanut butter manufacturing	0.0	0.0	0.0	0.0
79 Other snack food manufacturing	0.0	0.0	0.0	0.0
80 Coffee and tea manufacturing	0.0	0.0	0.0	0.0
81 Flavoring syrup and concentrate manufacturing	0.0	0.0	0.0	0.0
82 Mayonnaise- dressing- and sauce manufacturing	0.0	0.0	0.0	0.0
83 Spice and extract manufacturing	0.0	0.0	0.0	0.0
84 All other food manufacturing	0.0	0.0	0.0	0.0
85 Soft drink and ice manufacturing	0.0	0.0	0.0	0.0
86 Breweries	0.0	0.0	0.0	0.0
87 Wineries	0.0	0.0	0.0	0.0
88 Distilleries	0.0	0.0	0.0	0.0
89 Tobacco stemming and redrying	0.0	0.0	0.0	0.0
90 Cigarette manufacturing	0.0	0.0	0.0	0.0
91 Other tobacco product manufacturing	0.0	0.0	0.0	0.0
92 Fiber- yarn- and thread mills	0.0	0.0	0.0	0.0
93 Broadwoven fabric mills	0.0	0.0	0.0	0.0
94 Narrow fabric mills and schiffli embroidery	0.0	0.0	0.0	0.0
95 Nonwoven fabric mills	0.0	0.0	0.0	0.0
96 Knit fabric mills	0.0	0.0	0.0	0.0
97 Textile and fabric finishing mills	0.0	0.0	0.0	0.0
98 Fabric coating mills	0.0	0.0	0.0	0.0
99 Carpet and rug mills	0.0	0.0	0.0	0.0
100 Curtain and linen mills	0.0	0.0	0.0	0.0
101 Textile bag and canvas mills	0.0	0.0	0.0	0.0
102 Tire cord and tire fabric mills	0.0	0.0	0.0	0.0
103 Other miscellaneous textile product mills	0.0	0.0	0.0	0.0
104 Sheer hosiery mills	0.0	0.0	0.0	0.0
105 Other hosiery and sock mills	0.0	0.0	0.0	0.0
106 Other apparel knitting mills	0.0	0.0	0.0	0.0
107 Cut and sew apparel manufacturing	0.0	0.0	0.0	0.0
108 Accessories and other apparel manufacturing	0.0	0.0	0.0	0.0
109 Leather and hide tanning and finishing	0.0	0.0	0.0	0.0
110 Footwear manufacturing	0.0	0.0	0.0	0.0
111 Other leather product manufacturing	0.0	0.0	0.0	0.0
112 Sawmills	0.0	0.0	0.0	0.0
113 Wood preservation	0.0	0.0	0.0	0.0
114 Reconstituted wood product manufacturing	0.0	0.0	0.0	0.0
115 Veneer and plywood manufacturing	0.0	0.0	0.0	0.0
116 Engineered wood member and truss manufacturing	0.0	0.0	0.0	0.0
117 Wood windows and door manufacturing	0.0	0.0	0.0	0.0
118 Cut stock- resawing lumber- and planing	0.0	0.0	0.0	0.0
119 Other millwork- including flooring	0.0	0.0	0.0	0.0
120 Wood container and pallet manufacturing	0.0	0.0	0.0	0.0
121 Manufactured home- mobile home- manufacturing	0.0	0.0	0.0	0.0
122 Prefabricated wood building manufacturing	0.0	0.0	0.0	0.0
123 Miscellaneous wood product manufacturing	0.0	0.0	0.0	0.0
124 Pulp mills	0.0	0.0	0.0	0.0
125 Paper and paperboard mills	0.0	0.0	0.0	0.0
126 Paperboard container manufacturing	0.0	0.0	0.0	0.0
127 Flexible packaging foil manufacturing	0.0	0.0	0.0	0.0
128 Surface-coated paperboard manufacturing	0.0	0.0	0.0	0.0

129 Coated and laminated paper and packaging materials	0.0	0.0	0.0	0.0
130 Coated and uncoated paper bag manufacturing	0.0	0.0	0.0	0.0
131 Die-cut paper office supplies manufacturing	0.0	0.0	0.0	0.0
132 Envelope manufacturing	0.0	0.0	0.0	0.0
133 Stationery and related product manufacturing	0.0	0.0	0.0	0.0
134 Sanitary paper product manufacturing	0.0	0.0	0.0	0.0
135 All other converted paper product manufacturing	0.0	0.0	0.0	0.0
136 Manifold business forms printing	0.0	0.0	0.0	0.0
137 Books printing	0.0	0.0	0.0	0.0
138 Blankbook and looseleaf binder manufacturing	0.0	0.0	0.0	0.0
139 Commercial printing	0.0	0.5	0.0	0.5
140 Tradebinding and related work	0.0	0.0	0.0	0.0
141 Prepress services	0.0	0.0	0.0	0.0
142 Petroleum refineries	0.0	0.1	0.0	0.1
143 Asphalt paving mixture and block manufacturing	0.0	0.0	0.0	0.0
144 Asphalt shingle and coating materials manufacturin	0.0	0.0	0.0	0.0
145 Petroleum lubricating oil and grease manufacturing	0.0	0.0	0.0	0.0
146 All other petroleum and coal products manufacturin	0.0	0.0	0.0	0.0
147 Petrochemical manufacturing	0.0	0.0	0.0	0.0
148 Industrial gas manufacturing	0.0	0.0	0.0	0.0
149 Synthetic dye and pigment manufacturing	0.0	0.0	0.0	0.0
150 Other basic inorganic chemical manufacturing	0.0	0.0	0.0	0.0
151 Other basic organic chemical manufacturing	0.0	0.0	0.0	0.0
152 Plastics material and resin manufacturing	0.0	0.0	0.0	0.0
153 Synthetic rubber manufacturing	0.0	0.0	0.0	0.0
154 Cellulosic organic fiber manufacturing	0.0	0.0	0.0	0.0
155 Noncellulosic organic fiber manufacturing	0.0	0.0	0.0	0.0
156 Nitrogenous fertilizer manufacturing	0.0	0.0	0.0	0.0
157 Phosphatic fertilizer manufacturing	0.0	0.0	0.0	0.0
158 Fertilizer- mixing only- manufacturing	0.0	0.0	0.0	0.0
159 Pesticide and other agricultural chemical manufact	0.0	0.0	0.0	0.0
160 Pharmaceutical and medicine manufacturing	0.0	0.0	0.0	0.0
161 Paint and coating manufacturing	0.0	0.0	0.0	0.0
162 Adhesive manufacturing	0.0	0.0	0.0	0.0
163 Soap and other detergent manufacturing	0.0	0.0	0.0	0.0
164 Polish and other sanitation good manufacturing	0.0	0.0	0.0	0.0
165 Surface active agent manufacturing	0.0	0.0	0.0	0.0
166 Toilet preparation manufacturing	0.0	0.0	0.0	0.0
167 Printing ink manufacturing	0.0	0.0	0.0	0.0
168 Explosives manufacturing	0.0	0.0	0.0	0.0
169 Custom compounding of purchased resins	0.0	0.0	0.0	0.0
170 Photographic film and chemical manufacturing	0.0	0.0	0.0	0.0
171 Other miscellaneous chemical product manufacturing	0.0	0.0	0.0	0.0
172 Plastics packaging materials- film and sheet	0.0	0.0	0.0	0.0
173 Plastics pipe- fittings- and profile shapes	0.0	0.0	0.0	0.0
174 Laminated plastics plate- sheet- and shapes	0.0	0.0	0.0	0.0
175 Plastics bottle manufacturing	0.0	0.0	0.0	0.0
176 Resilient floor covering manufacturing	0.0	0.0	0.0	0.0
177 Plastics plumbing fixtures and all other plastics	0.0	0.0	0.0	0.0
178 Foam product manufacturing	0.0	0.0	0.0	0.0
179 Tire manufacturing	0.0	0.0	0.0	0.0
180 Rubber and plastics hose and belting manufacturing	0.0	0.0	0.0	0.0
181 Other rubber product manufacturing	0.0	0.0	0.0	0.0
182 Vitreous china plumbing fixture manufacturing	0.0	0.0	0.0	0.0
183 Vitreous china and earthenware articles manufactur	0.0	0.0	0.0	0.0
184 Porcelain electrical supply manufacturing	0.0	0.0	0.0	0.0
185 Brick and structural clay tile manufacturing	0.0	0.0	0.0	0.0
186 Ceramic wall and floor tile manufacturing	0.0	0.0	0.0	0.0
187 Nonclay refractory manufacturing	0.0	0.0	0.0	0.0
188 Clay refractory and other structural clay products	0.0	0.0	0.0	0.0
189 Glass container manufacturing	0.0	0.0	0.0	0.0
190 Glass and glass products- except glass containers	0.0	0.0	0.0	0.0
191 Cement manufacturing	0.0	0.0	0.0	0.0
192 Ready-mix concrete manufacturing	0.0	0.0	0.0	0.0
193 Concrete block and brick manufacturing	0.0	0.0	0.0	0.0
194 Concrete pipe manufacturing	0.0	0.0	0.0	0.0
195 Other concrete product manufacturing	0.0	0.0	0.0	0.0
196 Lime manufacturing	0.0	0.0	0.0	0.0

197 Gypsum product manufacturing	0.0	0.0	0.0	0.0
198 Abrasive product manufacturing	0.0	0.0	0.0	0.0
199 Cut stone and stone product manufacturing	0.0	0.0	0.0	0.0
200 Ground or treated minerals and earths manufacturin	0.0	0.0	0.0	0.0
201 Mineral wool manufacturing	0.0	0.0	0.0	0.0
202 Miscellaneous nonmetallic mineral products	0.0	0.0	0.0	0.0
203 Iron and steel mills	0.0	0.0	0.0	0.0
204 Ferroalloy and related product manufacturing	0.0	0.0	0.0	0.0
205 Iron- steel pipe and tube from purchased steel	0.0	0.0	0.0	0.0
206 Rolled steel shape manufacturing	0.0	0.0	0.0	0.0
207 Steel wire drawing	0.0	0.0	0.0	0.0
208 Alumina refining	0.0	0.0	0.0	0.0
209 Primary aluminum production	0.0	0.0	0.0	0.0
210 Secondary smelting and alloying of aluminum	0.0	0.0	0.0	0.0
211 Aluminum sheet- plate- and foil manufacturing	0.0	0.0	0.0	0.0
212 Aluminum extruded product manufacturing	0.0	0.0	0.0	0.0
213 Other aluminum rolling and drawing	0.0	0.0	0.0	0.0
214 Primary smelting and refining of copper	0.0	0.0	0.0	0.0
215 Primary nonferrous metal- except copper and alumin	0.0	0.0	0.0	0.0
216 Copper rolling- drawing- and extruding	0.0	0.0	0.0	0.0
217 Copper wire- except mechanical- drawing	0.0	0.0	0.0	0.0
218 Secondary processing of copper	0.0	0.0	0.0	0.0
219 Nonferrous metal- except copper and aluminum- shap	0.0	0.0	0.0	0.0
220 Secondary processing of other nonferrous	0.0	0.0	0.0	0.0
221 Ferrous metal foundaries	0.0	0.0	0.0	0.0
222 Aluminum foundries	0.0	0.0	0.0	0.0
223 Nonferrous foundries- except aluminum	0.0	0.0	0.0	0.0
224 Iron and steel forging	0.0	0.0	0.0	0.0
225 Nonferrous forging	0.0	0.0	0.0	0.0
226 Custom roll forming	0.0	0.0	0.0	0.0
227 All other forging and stamping	0.0	0.0	0.0	0.0
228 Cutlery and flatware- except precious- manufacturi	0.0	0.0	0.0	0.0
229 Hand and edge tool manufacturing	0.0	0.0	0.0	0.0
230 Saw blade and handsaw manufacturing	0.0	0.0	0.0	0.0
231 Kitchen utensil- pot- and pan manufacturing	0.0	0.0	0.0	0.0
232 Prefabricated metal buildings and components	0.0	0.0	0.0	0.0
233 Fabricated structural metal manufacturing	0.0	0.0	0.0	0.0
234 Plate work manufacturing	0.0	0.0	0.0	0.0
235 Metal window and door manufacturing	0.0	0.0	0.0	0.0
236 Sheet metal work manufacturing	0.0	0.0	0.0	0.0
237 Ornamental and architectural metal work manufactur	0.0	0.0	0.0	0.0
238 Power boiler and heat exchanger manufacturing	0.0	0.0	0.0	0.0
239 Metal tank- heavy gauge- manufacturing	0.0	0.0	0.0	0.0
240 Metal can- box- and other container manufacturing	0.0	0.0	0.0	0.0
241 Hardware manufacturing	0.0	0.0	0.0	0.0
242 Spring and wire product manufacturing	0.0	0.0	0.0	0.0
243 Machine shops	0.0	0.0	0.0	0.0
244 Turned product and screw- nut- and bolt manufactur	0.0	0.0	0.0	0.0
245 Metal heat treating	0.0	0.0	0.0	0.0
246 Metal coating and nonprecious engraving	0.0	0.0	0.0	0.0
247 Electroplating- anodizing- and coloring metal	0.0	0.0	0.0	0.0
248 Metal valve manufacturing	0.0	0.0	0.0	0.0
249 Ball and roller bearing manufacturing	0.0	0.0	0.0	0.0
250 Small arms manufacturing	0.0	0.0	0.0	0.0
251 Other ordnance and accessories manufacturing	0.0	0.0	0.0	0.0
252 Fabricated pipe and pipe fitting manufacturing	0.0	0.0	0.0	0.0
253 Industrial pattern manufacturing	0.0	0.0	0.0	0.0
254 Enameled iron and metal sanitary ware manufacturin	0.0	0.0	0.0	0.0
255 Miscellaneous fabricated metal product manufacturi	0.0	0.0	0.0	0.0
256 Ammunition manufacturing	0.0	0.0	0.0	0.0
257 Farm machinery and equipment manufacturing	0.0	0.0	0.0	0.0
258 Lawn and garden equipment manufacturing	0.0	0.0	0.0	0.0
259 Construction machinery manufacturing	0.0	0.0	0.0	0.0
260 Mining machinery and equipment manufacturing	0.0	0.0	0.0	0.0
261 Oil and gas field machinery and equipment	0.0	0.0	0.0	0.0
262 Sawmill and woodworking machinery	0.0	0.0	0.0	0.0
263 Plastics and rubber industry machinery	0.0	0.0	0.0	0.0
264 Paper industry machinery manufacturing	0.0	0.0	0.0	0.0

265 Textile machinery manufacturing	0.0	0.0	0.0	0.0
266 Printing machinery and equipment manufacturing	0.0	0.0	0.0	0.0
267 Food product machinery manufacturing	0.0	0.0	0.0	0.0
268 Semiconductor machinery manufacturing	0.0	0.0	0.0	0.0
269 All other industrial machinery manufacturing	0.0	0.0	0.0	0.0
270 Office machinery manufacturing	0.0	0.0	0.0	0.0
271 Optical instrument and lens manufacturing	0.0	0.0	0.0	0.0
272 Photographic and photocopying equipment manufactur	0.0	0.0	0.0	0.0
273 Other commercial and service industry machinery ma	0.0	0.0	0.0	0.0
274 Automatic vending- commercial laundry and dryclean	0.0	0.0	0.0	0.0
275 Air purification equipment manufacturing	0.0	0.0	0.0	0.0
276 Industrial and commercial fan and blower manufactu	0.0	0.0	0.0	0.0
277 Heating equipment- except warm air furnaces	0.0	0.0	0.0	0.0
278 AC- refrigeration- and forced air heating	0.0	0.0	0.0	0.0
279 Industrial mold manufacturing	0.0	0.0	0.0	0.0
280 Metal cutting machine tool manufacturing	0.0	0.0	0.0	0.0
281 Metal forming machine tool manufacturing	0.0	0.0	0.0	0.0
282 Special tool- die- jig- and fixture manufacturing	0.0	0.0	0.0	0.0
283 Cutting tool and machine tool accessory manufactur	0.0	0.0	0.0	0.0
284 Rolling mill and other metalworking machinery	0.0	0.0	0.0	0.0
285 Turbine and turbine generator set units manufactur	0.0	0.0	0.0	0.0
286 Other engine equipment manufacturing	0.0	0.0	0.0	0.0
287 Speed changers and mechanical power transmission e	0.0	0.0	0.0	0.0
288 Pump and pumping equipment manufacturing	0.0	0.0	0.0	0.0
289 Air and gas compressor manufacturing	0.0	0.0	0.0	0.0
290 Measuring and dispensing pump manufacturing	0.0	0.0	0.0	0.0
291 Elevator and moving stairway manufacturing	0.0	0.0	0.0	0.0
292 Conveyor and conveying equipment manufacturing	0.0	0.0	0.0	0.0
293 Overhead cranes- hoists- and monorail systems	0.0	0.0	0.0	0.0
294 Industrial truck- trailer- and stacker manufacturi	0.0	0.0	0.0	0.0
295 Power-driven handtool manufacturing	0.0	0.0	0.0	0.0
296 Welding and soldering equipment manufacturing	0.0	0.0	0.0	0.0
297 Packaging machinery manufacturing	0.0	0.0	0.0	0.0
298 Industrial process furnace and oven manufacturing	0.0	0.0	0.0	0.0
299 Fluid power cylinder and actuator manufacturing	0.0	0.0	0.0	0.0
300 Fluid power pump and motor manufacturing	0.0	0.0	0.0	0.0
301 Scales- balances- and miscellaneous general purpos	0.0	0.0	0.0	0.0
302 Electronic computer manufacturing	0.0	0.0	0.0	0.0
303 Computer storage device manufacturing	0.0	0.0	0.0	0.0
304 Computer terminal manufacturing	0.0	0.0	0.0	0.0
305 Other computer peripheral equipment manufacturing	0.0	0.0	0.0	0.0
306 Telephone apparatus manufacturing	0.0	0.0	0.0	0.0
307 Broadcast and wireless communications equipment	0.0	0.0	0.0	0.0
308 Other communications equipment manufacturing	0.0	0.0	0.0	0.0
309 Audio and video equipment manufacturing	0.0	0.0	0.0	0.0
310 Electron tube manufacturing	0.0	0.0	0.0	0.0
311 Semiconductors and related device manufacturing	0.0	0.2	0.0	0.2
312 All other electronic component manufacturing	0.0	0.0	0.0	0.0
313 Electromedical apparatus manufacturing	0.0	0.0	0.0	0.0
314 Search- detection- and navigation instruments	0.0	0.0	0.0	0.0
315 Automatic environmental control manufacturing	0.0	0.0	0.0	0.0
316 Industrial process variable instruments	0.0	0.0	0.0	0.0
317 Totalizing fluid meters and counting devices	0.0	0.0	0.0	0.0
318 Electricity and signal testing instruments	0.0	0.0	0.0	0.0
319 Analytical laboratory instrument manufacturing	0.0	0.0	0.0	0.0
320 Irradiation apparatus manufacturing	0.0	0.0	0.0	0.0
321 Watch- clock- and other measuring and controlling	0.0	0.0	0.0	0.0
322 Software reproducing	0.0	0.2	0.0	0.2
323 Audio and video media reproduction	0.0	0.0	0.0	0.0
324 Magnetic and optical recording media manufacturing	0.0	0.0	0.0	0.0
325 Electric lamp bulb and part manufacturing	0.0	0.0	0.0	0.0
326 Lighting fixture manufacturing	0.0	0.0	0.0	0.0
327 Electric housewares and household fan manufacturin	0.0	0.0	0.0	0.0
328 Household vacuum cleaner manufacturing	0.0	0.0	0.0	0.0
329 Household cooking appliance manufacturing	0.0	0.0	0.0	0.0
330 Household refrigerator and home freezer manufactur	0.0	0.0	0.0	0.0
331 Household laundry equipment manufacturing	0.0	0.0	0.0	0.0
332 Other major household appliance manufacturing	0.0	0.0	0.0	0.0

333 Electric power and specialty transformer manufactu	0.0	0.0	0.0	0.0
334 Motor and generator manufacturing	0.0	0.0	0.0	0.0
335 Switchgear and switchboard apparatus manufacturing	0.0	0.0	0.0	0.0
336 Relay and industrial control manufacturing	0.0	0.0	0.0	0.0
337 Storage battery manufacturing	0.0	0.0	0.0	0.0
338 Primary battery manufacturing	0.0	0.0	0.0	0.0
339 Fiber optic cable manufacturing	0.0	0.0	0.0	0.0
340 Other communication and energy wire manufacturing	0.0	0.0	0.0	0.0
341 Wiring device manufacturing	0.0	0.0	0.0	0.0
342 Carbon and graphite product manufacturing	0.0	0.0	0.0	0.0
343 Miscellaneous electrical equipment manufacturing	0.0	0.0	0.0	0.0
344 Automobile and light truck manufacturing	0.0	0.0	0.0	0.0
345 Heavy duty truck manufacturing	0.0	0.0	0.0	0.0
346 Motor vehicle body manufacturing	0.0	0.0	0.0	0.0
347 Truck trailer manufacturing	0.0	0.0	0.0	0.0
348 Motor home manufacturing	0.0	0.0	0.0	0.0
349 Travel trailer and camper manufacturing	0.0	0.0	0.0	0.0
350 Motor vehicle parts manufacturing	0.0	0.0	0.0	0.0
351 Aircraft manufacturing	0.0	0.0	0.0	0.0
352 Aircraft engine and engine parts manufacturing	0.0	0.0	0.0	0.0
353 Other aircraft parts and equipment	0.0	0.0	0.0	0.0
354 Guided missile and space vehicle manufacturing	0.0	0.0	0.0	0.0
355 Propulsion units and parts for space vehicles and	0.0	0.0	0.0	0.0
356 Railroad rolling stock manufacturing	0.0	0.0	0.0	0.0
357 Ship building and repairing	0.0	0.0	0.0	0.0
358 Boat building	0.0	0.0	0.0	0.0
359 Motorcycle- bicycle- and parts manufacturing	0.0	0.0	0.0	0.0
360 Military armored vehicles and tank parts manufactu	0.0	0.0	0.0	0.0
361 All other transportation equipment manufacturing	0.0	0.0	0.0	0.0
362 Wood kitchen cabinet and countertop manufacturing	0.0	0.1	0.0	0.1
363 Upholstered household furniture manufacturing	0.0	0.0	0.0	0.0
364 Nonupholstered wood household furniture manufactur	0.0	0.0	0.0	0.0
365 Metal household furniture manufacturing	0.0	0.0	0.0	0.0
366 Institutional furniture manufacturing	0.0	0.0	0.0	0.0
367 Other household and institutional furniture	0.0	0.0	0.0	0.0
368 Wood office furniture manufacturing	0.0	0.0	0.0	0.0
369 Custom architectural woodwork and millwork	0.0	0.0	0.0	0.0
370 Office furniture- except wood- manufacturing	0.0	0.0	0.0	0.0
371 Showcases- partitions- shelving- and lockers	0.0	0.0	0.0	0.0
372 Mattress manufacturing	0.0	0.0	0.0	0.0
373 Blind and shade manufacturing	0.0	0.0	0.0	0.0
374 Laboratory apparatus and furniture manufacturing	0.0	0.0	0.0	0.0
375 Surgical and medical instrument manufacturing	0.0	0.0	0.0	0.0
376 Surgical appliance and supplies manufacturing	0.0	0.0	0.0	0.0
377 Dental equipment and supplies manufacturing	0.0	0.0	0.0	0.0
378 Ophthalmic goods manufacturing	0.0	0.0	0.0	0.0
379 Dental laboratories	0.0	0.0	0.0	0.0
380 Jewelry and silverware manufacturing	0.0	0.0	0.0	0.0
381 Sporting and athletic goods manufacturing	0.0	0.0	0.0	0.0
382 Doll- toy- and game manufacturing	0.0	0.0	0.0	0.0
383 Office supplies- except paper- manufacturing	0.0	0.0	0.0	0.0
384 Sign manufacturing	0.0	0.0	0.0	0.0
385 Gasket- packing- and sealing device manufacturing	0.0	0.0	0.0	0.0
386 Musical instrument manufacturing	0.0	0.0	0.0	0.0
387 Broom- brush- and mop manufacturing	0.0	0.0	0.0	0.0
388 Burial casket manufacturing	0.0	0.0	0.0	0.0
389 Buttons- pins- and all other miscellaneous manufac	0.0	0.0	0.0	0.0
390 Wholesale trade	292.0	7.4	0.8	300.2
391 Air transportation	0.0	0.1	0.0	0.1
392 Rail transportation	0.0	0.2	0.0	0.3
393 Water transportation	0.0	0.0	0.0	0.0
394 Truck transportation	0.0	0.2	0.1	0.3
395 Transit and ground passenger transportation	0.0	0.4	0.1	0.5
396 Pipeline transportation	0.0	0.0	0.0	0.0
397 Scenic and sightseeing transportation and support	0.0	0.4	0.0	0.5
398 Postal service	0.0	5.9	0.3	6.2
399 Couriers and messengers	0.0	7.6	0.1	7.7
400 Warehousing and storage	0.0	1.3	0.0	1.3

401 Motor vehicle and parts dealers	0.0	0.1	0.1	0.3
402 Furniture and home furnishings stores	0.0	0.3	0.3	0.6
403 Electronics and appliance stores	0.0	0.0	0.0	0.0
404 Building material and garden supply stores	0.0	0.3	0.3	0.5
405 Food and beverage stores	0.0	0.8	0.9	1.7
406 Health and personal care stores	0.0	0.7	0.7	1.4
407 Gasoline stations	0.0	0.2	0.2	0.3
408 Clothing and clothing accessories stores	0.0	0.7	0.8	1.4
409 Sporting goods- hobby- book and music stores	0.0	0.4	0.4	0.9
410 General merchandise stores	0.0	0.3	0.3	0.6
411 Miscellaneous store retailers	0.0	0.5	0.5	1.0
412 Nonstore retailers	0.0	0.4	0.4	0.8
413 Newspaper publishers	0.0	2.0	0.1	2.1
414 Periodical publishers	0.0	1.1	0.0	1.2
415 Book publishers	0.0	0.0	0.0	0.0
416 Database- directory- and other publishers	0.0	0.1	0.0	0.1
417 Software publishers	0.0	0.0	0.0	0.0
418 Motion picture and video industries	0.0	0.4	0.1	0.5
419 Sound recording industries	0.0	0.0	0.0	0.0
420 Radio and television broadcasting	0.0	2.6	0.1	2.7
421 Cable networks and program distribution	0.0	0.0	0.0	0.1
422 Telecommunications	0.0	2.4	0.2	2.7
423 Information services	0.0	0.4	0.0	0.4
424 Data processing services	0.0	0.4	0.0	0.4
425 Nondepository credit intermediation and related a	0.0	4.2	0.2	4.4
426 Securities- commodity contracts- investments	0.0	2.4	0.6	3.0
427 Insurance carriers	0.0	0.6	0.6	1.2
428 Insurance agencies- brokerages- and related	0.0	0.1	0.1	0.3
429 Funds- trusts- and other financial vehicles	0.0	0.0	0.2	0.2
430 Monetary authorities and depository credit interme	0.0	2.9	0.7	3.5
431 Real estate	0.0	9.1	0.9	10.0
432 Automotive equipment rental and leasing	0.0	0.1	0.0	0.1
433 Video tape and disc rental	0.0	0.0	0.1	0.1
434 Machinery and equipment rental and leasing	0.0	1.1	0.0	1.2
435 General and consumer goods rental except video tap	0.0	0.6	0.0	0.6
436 Lessors of nonfinancial intangible assets	0.0	0.0	0.0	0.0
437 Legal services	0.0	4.0	0.4	4.4
438 Accounting and bookkeeping services	0.0	5.9	0.2	6.2
439 Architectural and engineering services	0.0	1.6	0.1	1.7
440 Specialized design services	0.0	1.3	0.0	1.3
441 Custom computer programming services	0.0	0.1	0.0	0.1
442 Computer systems design services	0.0	4.2	0.1	4.2
443 Other computer related services- including facilit	0.0	0.3	0.0	0.3
444 Management consulting services	0.0	9.1	0.2	9.2
445 Environmental and other technical consulting servi	0.0	0.4	0.0	0.4
446 Scientific research and development services	0.0	2.0	0.1	2.2
447 Advertising and related services	0.0	5.2	0.1	5.3
448 Photographic services	0.0	0.1	0.0	0.2
449 Veterinary services	0.0	0.0	0.1	0.1
450 All other miscellaneous professional and technical	0.0	0.2	0.0	0.3
451 Management of companies and enterprises	0.0	9.2	0.2	9.3
452 Office administrative services	0.0	2.9	0.1	3.0
453 Facilities support services	0.0	0.3	0.0	0.3
454 Employment services	0.0	20.8	0.6	21.4
455 Business support services	0.0	4.7	0.1	4.9
456 Travel arrangement and reservation services	0.0	0.3	0.1	0.3
457 Investigation and security services	0.0	3.9	0.1	4.0
458 Services to buildings and dwellings	0.0	18.3	0.8	19.1
459 Other support services	0.0	1.5	0.0	1.5
460 Waste management and remediation services	0.0	0.3	0.0	0.3
461 Elementary and secondary schools	0.0	0.0	0.7	0.7
462 Colleges- universities- and junior colleges	0.0	1.8	1.7	3.6
463 Other educational services	0.0	0.4	0.4	0.8
464 Home health care services	0.0	0.0	0.5	0.5
465 Offices of physicians- dentists- and other health	0.0	0.0	2.4	2.4
466 Other ambulatory health care services	0.0	0.0	0.6	0.6
467 Hospitals	0.0	0.0	4.3	4.3
468 Nursing and residential care facilities	0.0	0.0	2.2	2.2

469 Child day care services	0.0	0.0	0.8	0.8
470 Social assistance- except child day care services	0.0	0.0	1.4	1.4
471 Performing arts companies	0.0	0.5	0.2	0.7
472 Spectator sports	0.0	0.6	0.1	0.7
473 Independent artists- writers- and performers	0.0	0.2	0.0	0.2
474 Promoters of performing arts and sports and agents	0.0	0.8	0.2	1.0
475 Museums- historical sites- zoos- and parks	0.0	0.0	0.1	0.1
476 Fitness and recreational sports centers	0.0	0.9	0.3	1.2
477 Bowling centers	0.0	0.0	0.0	0.0
478 Other amusement- gambling- and recreation industri	0.0	0.1	0.2	0.2
479 Hotels and motels- including casino hotels	0.0	5.5	0.6	6.0
480 Other accommodations	0.0	0.0	0.1	0.1
481 Food services and drinking places	0.0	7.6	5.8	13.4
482 Car washes	0.0	0.3	0.1	0.3
483 Automotive repair and maintenance- except car wash	0.0	0.3	0.2	0.5
484 Electronic equipment repair and maintenance	0.0	0.1	0.0	0.2
485 Commercial machinery repair and maintenance	0.0	0.3	0.0	0.3
486 Household goods repair and maintenance	0.0	0.2	0.0	0.2
487 Personal care services	0.0	0.0	0.4	0.4
488 Death care services	0.0	0.0	0.1	0.1
489 Drycleaning and laundry services	0.0	0.3	0.2	0.5
490 Other personal services	0.0	0.6	0.2	0.9
491 Religious organizations	0.0	0.0	0.2	0.2
492 Grantmaking and giving and social advocacy organiz	0.0	0.0	0.4	0.4
493 Civic- social- professional and similar organizati	0.0	1.8	0.5	2.3
494 Private households	0.0	0.0	1.5	1.5
495 Federal electric utilities	0.0	0.0	0.0	0.0
496 Other Federal Government enterprises	0.0	4.6	3.0	7.7
497 State and local government passenger transit	0.0	0.9	0.2	1.1
498 State and local government electric utilities	0.0	0.0	0.0	0.0
499 Other State and local government enterprises	0.0	1.3	0.4	1.6
500 Noncomparable imports	0.0	0.0	0.0	0.0
501 Scrap	0.0	0.0	0.0	0.0
502 Used and secondhand goods	0.0	0.0	0.0	0.0
503 State & Local Education	0.0	0.0	0.0	0.0
504 State & Local Non-Education	0.0	0.0	0.0	0.0
505 Federal Military	0.0	0.0	0.0	0.0
506 Federal Non-Military	0.0	0.0	0.0	0.0
507 Rest of the world adjustment to final uses	0.0	0.0	0.0	0.0
508 Inventory valuation adjustment	0.0	0.0	0.0	0.0
509 Owner-occupied dwellings	0.0	0.0	0.0	0.0
25001 Foreign Trade	0.0	0.0	0.0	0.0
28001 Foreign Trade	0.0	0.0	0.0	0.0
<b>Total</b>	<b>292.0</b>	<b>187.8</b>	<b>44.3</b>	<b>524.2</b>

Source: MIG; Economics Research Associates, 2008.

Appendix Table 4: Wholesale and Retail Trade (390) - Labor Income Impact

Industry	Direct	Indirect	Induced	Total
1 Oilseed farming	\$0	\$0	\$0	\$0
2 Grain farming	\$0	\$0	\$0	\$0
3 Vegetable and melon farming	\$0	\$0	\$0	\$0
4 Tree nut farming	\$0	\$0	\$0	\$0
5 Fruit farming	\$0	\$0	\$0	\$0
6 Greenhouse and nursery production	\$0	\$0	\$0	\$0
7 Tobacco farming	\$0	\$0	\$0	\$0
8 Cotton farming	\$0	\$0	\$0	\$0
9 Sugarcane and sugar beet farming	\$0	\$0	\$0	\$0
10 All other crop farming	\$0	\$0	\$0	\$0
11 Cattle ranching and farming	\$0	\$0	\$0	\$0
12 Poultry and egg production	\$0	\$0	\$0	\$0
13 Animal production- except cattle and poultry and e	\$0	\$0	\$0	\$0
14 Logging	\$0	\$6	\$0	\$6
15 Forest nurseries- forest products- and timber trac	\$0	\$0	\$0	\$0
16 Fishing	\$0	\$0	\$0	\$0
17 Hunting and trapping	\$0	\$0	\$4	\$4
18 Agriculture and forestry support activities	\$0	\$0	\$0	\$0
19 Oil and gas extraction	\$0	\$0	\$0	\$0
20 Coal mining	\$0	\$0	\$0	\$0
21 Iron ore mining	\$0	\$0	\$0	\$0
22 Copper- nickel- lead- and zinc mining	\$0	\$0	\$0	\$0
23 Gold- silver- and other metal ore mining	\$0	\$0	\$0	\$0
24 Stone mining and quarrying	\$0	\$0	\$0	\$0
25 Sand- gravel- clay- and refractory mining	\$0	\$0	\$0	\$0
26 Other nonmetallic mineral mining	\$0	\$0	\$0	\$0
27 Drilling oil and gas wells	\$0	\$0	\$0	\$0
28 Support activities for oil and gas operations	\$0	\$0	\$0	\$0
29 Support activities for other mining	\$0	\$0	\$0	\$0
30 Power generation and supply	\$0	\$108,031	\$21,069	\$129,101
31 Natural gas distribution	\$0	\$19,434	\$4,068	\$23,502
32 Water- sewage and other systems	\$0	\$16,188	\$5,953	\$22,141
33 New residential 1-unit structures- all	\$0	\$0	\$0	\$0
34 New multifamily housing structures- all	\$0	\$0	\$0	\$0
35 New residential additions and alterations- all	\$0	\$0	\$0	\$0
36 New farm housing units	\$0	\$0	\$0	\$0
37 Manufacturing and industrial buildings	\$0	\$0	\$0	\$0
38 Commercial and institutional buildings	\$0	\$0	\$0	\$0
39 Highway- street- bridge- and tunnel construction	\$0	\$0	\$0	\$0
40 Water- sewer- and pipeline construction	\$0	\$0	\$0	\$0
41 Other new construction	\$0	\$0	\$0	\$0
42 Maintenance and repair of farm and nonfarm residen	\$0	\$2,203	\$1,416	\$3,619
43 Maintenance and repair of nonresidential buildings	\$0	\$34,345	\$1,624	\$35,969
44 Maintenance and repair of highways- streets- bridg	\$0	\$0	\$0	\$0
45 Other maintenance and repair construction	\$0	\$450	\$81	\$531
46 Dog and cat food manufacturing	\$0	\$0	\$0	\$0
47 Other animal food manufacturing	\$0	\$0	\$0	\$0
48 Flour milling	\$0	\$0	\$0	\$0
49 Rice milling	\$0	\$0	\$0	\$0
50 Malt manufacturing	\$0	\$0	\$0	\$0
51 Wet corn milling	\$0	\$0	\$0	\$0
52 Soybean processing	\$0	\$0	\$0	\$0
53 Other oilseed processing	\$0	\$0	\$0	\$0
54 Fats and oils refining and blending	\$0	\$0	\$0	\$0
55 Breakfast cereal manufacturing	\$0	\$0	\$0	\$0
56 Sugar manufacturing	\$0	\$0	\$0	\$0
57 Confectionery manufacturing from cacao beans	\$0	\$0	\$0	\$0
58 Confectionery manufacturing from purchased chocola	\$0	\$2	\$31	\$34
59 Nonchocolate confectionery manufacturing	\$0	\$0	\$0	\$0
60 Frozen food manufacturing	\$0	\$0	\$1	\$1
61 Fruit and vegetable canning and drying	\$0	\$0	\$0	\$0
62 Fluid milk manufacturing	\$0	\$0	\$0	\$0

63 Creamery butter manufacturing	\$0	\$0	\$0	\$0
64 Cheese manufacturing	\$0	\$0	\$0	\$0
65 Dry- condensed- and evaporated dairy products	\$0	\$0	\$0	\$0
66 Ice cream and frozen dessert manufacturing	\$0	\$0	\$0	\$0
67 Animal- except poultry- slaughtering	\$0	\$0	\$0	\$0
68 Meat processed from carcasses	\$0	\$0	\$0	\$0
69 Rendering and meat byproduct processing	\$0	\$0	\$0	\$0
70 Poultry processing	\$0	\$0	\$0	\$0
71 Seafood product preparation and packaging	\$0	\$0	\$0	\$0
72 Frozen cakes and other pastries manufacturing	\$0	\$0	\$0	\$0
73 Bread and bakery product- except frozen- manufactu	\$0	\$948	\$2,642	\$3,590
74 Cookie and cracker manufacturing	\$0	\$0	\$0	\$0
75 Mixes and dough made from purchased flour	\$0	\$0	\$0	\$0
76 Dry pasta manufacturing	\$0	\$0	\$0	\$0
77 Tortilla manufacturing	\$0	\$0	\$0	\$0
78 Roasted nuts and peanut butter manufacturing	\$0	\$0	\$0	\$0
79 Other snack food manufacturing	\$0	\$0	\$0	\$0
80 Coffee and tea manufacturing	\$0	\$0	\$0	\$0
81 Flavoring syrup and concentrate manufacturing	\$0	\$0	\$0	\$0
82 Mayonnaise- dressing- and sauce manufacturing	\$0	\$0	\$0	\$0
83 Spice and extract manufacturing	\$0	\$0	\$0	\$0
84 All other food manufacturing	\$0	\$11	\$155	\$166
85 Soft drink and ice manufacturing	\$0	\$0	\$0	\$0
86 Breweries	\$0	\$1	\$5	\$6
87 Wineries	\$0	\$0	\$0	\$0
88 Distilleries	\$0	\$0	\$0	\$0
89 Tobacco stemming and redrying	\$0	\$0	\$0	\$0
90 Cigarette manufacturing	\$0	\$0	\$20	\$20
91 Other tobacco product manufacturing	\$0	\$0	\$0	\$0
92 Fiber- yarn- and thread mills	\$0	\$0	\$0	\$0
93 Broadwoven fabric mills	\$0	\$1	\$2	\$2
94 Narrow fabric mills and schiffli embroidery	\$0	\$0	\$0	\$0
95 Nonwoven fabric mills	\$0	\$0	\$0	\$0
96 Knit fabric mills	\$0	\$0	\$0	\$0
97 Textile and fabric finishing mills	\$0	\$10	\$0	\$11
98 Fabric coating mills	\$0	\$0	\$0	\$0
99 Carpet and rug mills	\$0	\$2	\$4	\$5
100 Curtain and linen mills	\$0	\$52	\$257	\$309
101 Textile bag and canvas mills	\$0	\$0	\$0	\$0
102 Tire cord and tire fabric mills	\$0	\$0	\$0	\$0
103 Other miscellaneous textile product mills	\$0	\$0	\$0	\$0
104 Sheer hosiery mills	\$0	\$0	\$0	\$0
105 Other hosiery and sock mills	\$0	\$0	\$0	\$0
106 Other apparel knitting mills	\$0	\$0	\$0	\$0
107 Cut and sew apparel manufacturing	\$0	\$172	\$237	\$410
108 Accessories and other apparel manufacturing	\$0	\$0	\$0	\$0
109 Leather and hide tanning and finishing	\$0	\$0	\$0	\$0
110 Footwear manufacturing	\$0	\$0	\$0	\$0
111 Other leather product manufacturing	\$0	\$0	\$0	\$0
112 Sawmills	\$0	\$0	\$0	\$0
113 Wood preservation	\$0	\$0	\$0	\$0
114 Reconstituted wood product manufacturing	\$0	\$0	\$0	\$0
115 Veneer and plywood manufacturing	\$0	\$0	\$0	\$0
116 Engineered wood member and truss manufacturing	\$0	\$0	\$0	\$0
117 Wood windows and door manufacturing	\$0	\$0	\$0	\$0
118 Cut stock- resawing lumber- and planing	\$0	\$0	\$0	\$0
119 Other millwork- including flooring	\$0	\$151	\$11	\$162
120 Wood container and pallet manufacturing	\$0	\$0	\$0	\$0
121 Manufactured home- mobile home- manufacturing	\$0	\$0	\$0	\$0
122 Prefabricated wood building manufacturing	\$0	\$0	\$0	\$0
123 Miscellaneous wood product manufacturing	\$0	\$0	\$0	\$0
124 Pulp mills	\$0	\$0	\$0	\$0
125 Paper and paperboard mills	\$0	\$0	\$0	\$0
126 Paperboard container manufacturing	\$0	\$0	\$0	\$0
127 Flexible packaging foil manufacturing	\$0	\$0	\$0	\$0
128 Surface-coated paperboard manufacturing	\$0	\$0	\$0	\$0
129 Coated and laminated paper and packaging materials	\$0	\$0	\$0	\$0
130 Coated and uncoated paper bag manufacturing	\$0	\$0	\$0	\$0
131 Die-cut paper office supplies manufacturing	\$0	\$0	\$0	\$0
132 Envelope manufacturing	\$0	\$0	\$0	\$0

133 Stationery and related product manufacturing	\$0	\$0	\$0	\$0
134 Sanitary paper product manufacturing	\$0	\$0	\$0	\$0
135 All other converted paper product manufacturing	\$0	\$24	\$2	\$26
136 Manifold business forms printing	\$0	\$192	\$7	\$199
137 Books printing	\$0	\$0	\$0	\$0
138 Blankbook and looseleaf binder manufacturing	\$0	\$0	\$0	\$0
139 Commercial printing	\$0	\$32,424	\$794	\$33,218
140 Tradebinding and related work	\$0	\$339	\$28	\$367
141 Prepress services	\$0	\$1,613	\$51	\$1,665
142 Petroleum refineries	\$0	\$9,068	\$1,138	\$10,205
143 Asphalt paving mixture and block manufacturing	\$0	\$0	\$0	\$0
144 Asphalt shingle and coating materials manufacturin	\$0	\$0	\$0	\$0
145 Petroleum lubricating oil and grease manufacturing	\$0	\$0	\$0	\$0
146 All other petroleum and coal products manufacturin	\$0	\$2,704	\$87	\$2,792
147 Petrochemical manufacturing	\$0	\$0	\$0	\$0
148 Industrial gas manufacturing	\$0	\$0	\$0	\$0
149 Synthetic dye and pigment manufacturing	\$0	\$0	\$0	\$0
150 Other basic inorganic chemical manufacturing	\$0	\$75	\$9	\$84
151 Other basic organic chemical manufacturing	\$0	\$0	\$0	\$0
152 Plastics material and resin manufacturing	\$0	\$0	\$0	\$0
153 Synthetic rubber manufacturing	\$0	\$0	\$0	\$0
154 Cellulosic organic fiber manufacturing	\$0	\$0	\$0	\$0
155 Noncellulosic organic fiber manufacturing	\$0	\$0	\$0	\$0
156 Nitrogenous fertilizer manufacturing	\$0	\$0	\$0	\$0
157 Phosphatic fertilizer manufacturing	\$0	\$0	\$0	\$0
158 Fertilizer- mixing only- manufacturing	\$0	\$3	\$0	\$3
159 Pesticide and other agricultural chemical manufact	\$0	\$0	\$0	\$0
160 Pharmaceutical and medicine manufacturing	\$0	\$110	\$1,455	\$1,565
161 Paint and coating manufacturing	\$0	\$0	\$0	\$0
162 Adhesive manufacturing	\$0	\$5,083	\$357	\$5,440
163 Soap and other detergent manufacturing	\$0	\$152	\$44	\$196
164 Polish and other sanitation good manufacturing	\$0	\$0	\$0	\$0
165 Surface active agent manufacturing	\$0	\$0	\$0	\$0
166 Toilet preparation manufacturing	\$0	\$0	\$0	\$0
167 Printing ink manufacturing	\$0	\$0	\$0	\$0
168 Explosives manufacturing	\$0	\$0	\$0	\$0
169 Custom compounding of purchased resins	\$0	\$0	\$0	\$0
170 Photographic film and chemical manufacturing	\$0	\$0	\$0	\$0
171 Other miscellaneous chemical product manufacturing	\$0	\$0	\$0	\$0
172 Plastics packaging materials- film and sheet	\$0	\$0	\$0	\$0
173 Plastics pipe- fittings- and profile shapes	\$0	\$0	\$0	\$0
174 Laminated plastics plate- sheet- and shapes	\$0	\$0	\$0	\$0
175 Plastics bottle manufacturing	\$0	\$0	\$0	\$0
176 Resilient floor covering manufacturing	\$0	\$39	\$3	\$42
177 Plastics plumbing fixtures and all other plastics	\$0	\$0	\$0	\$0
178 Foam product manufacturing	\$0	\$0	\$0	\$0
179 Tire manufacturing	\$0	\$1	\$0	\$2
180 Rubber and plastics hose and belting manufacturing	\$0	\$0	\$0	\$0
181 Other rubber product manufacturing	\$0	\$0	\$0	\$0
182 Vitreous china plumbing fixture manufacturing	\$0	\$0	\$0	\$0
183 Vitreous china and earthenware articles manufactur	\$0	\$59	\$82	\$141
184 Porcelain electrical supply manufacturing	\$0	\$0	\$0	\$0
185 Brick and structural clay tile manufacturing	\$0	\$0	\$0	\$0
186 Ceramic wall and floor tile manufacturing	\$0	\$0	\$0	\$0
187 Nonclay refractory manufacturing	\$0	\$0	\$0	\$0
188 Clay refractory and other structural clay products	\$0	\$0	\$0	\$0
189 Glass container manufacturing	\$0	\$0	\$0	\$0
190 Glass and glass products- except glass containers	\$0	\$0	\$0	\$0
191 Cement manufacturing	\$0	\$0	\$0	\$0
192 Ready-mix concrete manufacturing	\$0	\$1	\$0	\$1
193 Concrete block and brick manufacturing	\$0	\$0	\$0	\$0
194 Concrete pipe manufacturing	\$0	\$0	\$0	\$0
195 Other concrete product manufacturing	\$0	\$0	\$0	\$0
196 Lime manufacturing	\$0	\$0	\$0	\$0
197 Gypsum product manufacturing	\$0	\$0	\$0	\$0
198 Abrasive product manufacturing	\$0	\$0	\$0	\$0
199 Cut stone and stone product manufacturing	\$0	\$0	\$0	\$0
200 Ground or treated minerals and earths manufacturin	\$0	\$0	\$0	\$0
201 Mineral wool manufacturing	\$0	\$0	\$0	\$0
202 Miscellaneous nonmetallic mineral products	\$0	\$0	\$0	\$0

203 Iron and steel mills	\$0	\$1	\$0	\$1
204 Ferroalloy and related product manufacturing	\$0	\$0	\$0	\$0
205 Iron- steel pipe and tube from purchased steel	\$0	\$0	\$0	\$0
206 Rolled steel shape manufacturing	\$0	\$0	\$0	\$0
207 Steel wire drawing	\$0	\$0	\$0	\$0
208 Alumina refining	\$0	\$0	\$0	\$0
209 Primary aluminum production	\$0	\$6	\$0	\$6
210 Secondary smelting and alloying of aluminum	\$0	\$18	\$0	\$18
211 Aluminum sheet- plate- and foil manufacturing	\$0	\$0	\$0	\$0
212 Aluminum extruded product manufacturing	\$0	\$0	\$0	\$0
213 Other aluminum rolling and drawing	\$0	\$0	\$0	\$0
214 Primary smelting and refining of copper	\$0	\$0	\$0	\$0
215 Primary nonferrous metal- except copper and alumin	\$0	\$0	\$0	\$0
216 Copper rolling- drawing- and extruding	\$0	\$0	\$0	\$0
217 Copper wire- except mechanical- drawing	\$0	\$0	\$0	\$0
218 Secondary processing of copper	\$0	\$0	\$0	\$0
219 Nonferrous metal- except copper and aluminum- shap	\$0	\$0	\$0	\$0
220 Secondary processing of other nonferrous	\$0	\$0	\$0	\$0
221 Ferrous metal foundaries	\$0	\$0	\$0	\$0
222 Aluminum foundries	\$0	\$0	\$0	\$0
223 Nonferrous foundries- except aluminum	\$0	\$0	\$0	\$0
224 Iron and steel forging	\$0	\$0	\$0	\$0
225 Nonferrous forging	\$0	\$0	\$0	\$0
226 Custom roll forming	\$0	\$0	\$0	\$0
227 All other forging and stamping	\$0	\$0	\$0	\$0
228 Cutlery and flatware- except precious- manufacturi	\$0	\$0	\$0	\$0
229 Hand and edge tool manufacturing	\$0	\$0	\$0	\$0
230 Saw blade and handsaw manufacturing	\$0	\$0	\$0	\$0
231 Kitchen utensil- pot- and pan manufacturing	\$0	\$0	\$0	\$0
232 Prefabricated metal buildings and components	\$0	\$0	\$0	\$0
233 Fabricated structural metal manufacturing	\$0	\$12	\$0	\$12
234 Plate work manufacturing	\$0	\$0	\$0	\$0
235 Metal window and door manufacturing	\$0	\$0	\$0	\$0
236 Sheet metal work manufacturing	\$0	\$50	\$0	\$50
237 Ornamental and architectural metal work manufactur	\$0	\$169	\$4	\$173
238 Power boiler and heat exchanger manufacturing	\$0	\$0	\$0	\$0
239 Metal tank- heavy gauge- manufacturing	\$0	\$0	\$0	\$0
240 Metal can- box- and other container manufacturing	\$0	\$0	\$0	\$0
241 Hardware manufacturing	\$0	\$0	\$0	\$0
242 Spring and wire product manufacturing	\$0	\$0	\$0	\$0
243 Machine shops	\$0	\$0	\$0	\$0
244 Turned product and screw- nut- and bolt manufactur	\$0	\$0	\$0	\$0
245 Metal heat treating	\$0	\$0	\$0	\$0
246 Metal coating and nonprecious engraving	\$0	\$0	\$0	\$0
247 Electroplating- anodizing- and coloring metal	\$0	\$0	\$0	\$0
248 Metal valve manufacturing	\$0	\$28	\$2	\$31
249 Ball and roller bearing manufacturing	\$0	\$0	\$0	\$0
250 Small arms manufacturing	\$0	\$0	\$0	\$0
251 Other ordnance and accessories manufacturing	\$0	\$0	\$0	\$0
252 Fabricated pipe and pipe fitting manufacturing	\$0	\$0	\$0	\$0
253 Industrial pattern manufacturing	\$0	\$0	\$0	\$0
254 Enameled iron and metal sanitary ware manufacturin	\$0	\$0	\$0	\$0
255 Miscellaneous fabricated metal product manufacturi	\$0	\$0	\$0	\$0
256 Ammunition manufacturing	\$0	\$0	\$0	\$0
257 Farm machinery and equipment manufacturing	\$0	\$0	\$0	\$0
258 Lawn and garden equipment manufacturing	\$0	\$0	\$0	\$0
259 Construction machinery manufacturing	\$0	\$10	\$1	\$11
260 Mining machinery and equipment manufacturing	\$0	\$0	\$0	\$0
261 Oil and gas field machinery and equipment	\$0	\$6	\$0	\$7
262 Sawmill and woodworking machinery	\$0	\$0	\$0	\$0
263 Plastics and rubber industry machinery	\$0	\$0	\$0	\$0
264 Paper industry machinery manufacturing	\$0	\$0	\$0	\$0
265 Textile machinery manufacturing	\$0	\$0	\$0	\$0
266 Printing machinery and equipment manufacturing	\$0	\$0	\$0	\$0
267 Food product machinery manufacturing	\$0	\$0	\$0	\$0
268 Semiconductor machinery manufacturing	\$0	\$0	\$0	\$0
269 All other industrial machinery manufacturing	\$0	\$0	\$0	\$0
270 Office machinery manufacturing	\$0	\$886	\$60	\$946
271 Optical instrument and lens manufacturing	\$0	\$0	\$0	\$0
272 Photographic and photocopying equipment manufactur	\$0	\$0	\$0	\$0

273 Other commercial and service industry machinery ma	\$0	\$0	\$0	\$0
274 Automatic vending- commercial laundry and dryclean	\$0	\$0	\$0	\$0
275 Air purification equipment manufacturing	\$0	\$0	\$0	\$0
276 Industrial and commercial fan and blower manufactu	\$0	\$0	\$0	\$0
277 Heating equipment- except warm air furnaces	\$0	\$0	\$0	\$0
278 AC- refrigeration- and forced air heating	\$0	\$0	\$0	\$0
279 Industrial mold manufacturing	\$0	\$0	\$0	\$0
280 Metal cutting machine tool manufacturing	\$0	\$0	\$0	\$0
281 Metal forming machine tool manufacturing	\$0	\$0	\$0	\$0
282 Special tool- die- jig- and fixture manufacturing	\$0	\$0	\$0	\$0
283 Cutting tool and machine tool accessory manufactur	\$0	\$0	\$0	\$0
284 Rolling mill and other metalworking machinery	\$0	\$0	\$0	\$0
285 Turbine and turbine generator set units manufactur	\$0	\$8	\$1	\$9
286 Other engine equipment manufacturing	\$0	\$0	\$0	\$0
287 Speed changers and mechanical power transmission e	\$0	\$0	\$0	\$0
288 Pump and pumping equipment manufacturing	\$0	\$0	\$0	\$0
289 Air and gas compressor manufacturing	\$0	\$0	\$0	\$0
290 Measuring and dispensing pump manufacturing	\$0	\$0	\$0	\$0
291 Elevator and moving stairway manufacturing	\$0	\$1	\$0	\$1
292 Conveyor and conveying equipment manufacturing	\$0	\$4	\$0	\$4
293 Overhead cranes- hoists- and monorail systems	\$0	\$10	\$0	\$11
294 Industrial truck- trailer- and stacker manufacturi	\$0	\$0	\$0	\$0
295 Power-driven handtool manufacturing	\$0	\$0	\$0	\$0
296 Welding and soldering equipment manufacturing	\$0	\$0	\$0	\$0
297 Packaging machinery manufacturing	\$0	\$0	\$0	\$0
298 Industrial process furnace and oven manufacturing	\$0	\$0	\$0	\$0
299 Fluid power cylinder and actuator manufacturing	\$0	\$0	\$0	\$0
300 Fluid power pump and motor manufacturing	\$0	\$0	\$0	\$0
301 Scales- balances- and miscellaneous general purpos	\$0	\$0	\$0	\$0
302 Electronic computer manufacturing	\$0	\$0	\$0	\$0
303 Computer storage device manufacturing	\$0	\$0	\$0	\$0
304 Computer terminal manufacturing	\$0	\$7	\$1	\$8
305 Other computer peripheral equipment manufacturing	\$0	\$0	\$0	\$0
306 Telephone apparatus manufacturing	\$0	\$2,657	\$241	\$2,898
307 Broadcast and wireless communications equipment	\$0	\$129	\$25	\$154
308 Other communications equipment manufacturing	\$0	\$0	\$0	\$0
309 Audio and video equipment manufacturing	\$0	\$15	\$50	\$65
310 Electron tube manufacturing	\$0	\$0	\$0	\$0
311 Semiconductors and related device manufacturing	\$0	\$38,586	\$227	\$38,813
312 All other electronic component manufacturing	\$0	\$0	\$0	\$0
313 Electromedical apparatus manufacturing	\$0	\$1	\$7	\$8
314 Search- detection- and navigation instruments	\$0	\$3	\$1	\$4
315 Automatic environmental control manufacturing	\$0	\$0	\$0	\$0
316 Industrial process variable instruments	\$0	\$0	\$0	\$0
317 Totalizing fluid meters and counting devices	\$0	\$0	\$0	\$0
318 Electricity and signal testing instruments	\$0	\$18	\$0	\$18
319 Analytical laboratory instrument manufacturing	\$0	\$0	\$0	\$1
320 Irradiation apparatus manufacturing	\$0	\$0	\$0	\$0
321 Watch- clock- and other measuring and controlling	\$0	\$0	\$0	\$0
322 Software reproducing	\$0	\$15,586	\$160	\$15,746
323 Audio and video media reproduction	\$0	\$0	\$0	\$0
324 Magnetic and optical recording media manufacturing	\$0	\$148	\$8	\$156
325 Electric lamp bulb and part manufacturing	\$0	\$0	\$0	\$0
326 Lighting fixture manufacturing	\$0	\$0	\$0	\$0
327 Electric housewares and household fan manufacturin	\$0	\$0	\$0	\$0
328 Household vacuum cleaner manufacturing	\$0	\$0	\$0	\$0
329 Household cooking appliance manufacturing	\$0	\$0	\$0	\$0
330 Household refrigerator and home freezer manufactur	\$0	\$0	\$0	\$0
331 Household laundry equipment manufacturing	\$0	\$0	\$0	\$0
332 Other major household appliance manufacturing	\$0	\$0	\$0	\$0
333 Electric power and specialty transformer manufactu	\$0	\$0	\$0	\$0
334 Motor and generator manufacturing	\$0	\$0	\$0	\$0
335 Switchgear and switchboard apparatus manufacturing	\$0	\$0	\$0	\$0
336 Relay and industrial control manufacturing	\$0	\$0	\$0	\$0
337 Storage battery manufacturing	\$0	\$0	\$0	\$0
338 Primary battery manufacturing	\$0	\$0	\$0	\$0
339 Fiber optic cable manufacturing	\$0	\$0	\$0	\$0
340 Other communication and energy wire manufacturing	\$0	\$426	\$15	\$441
341 Wiring device manufacturing	\$0	\$141	\$3	\$144
342 Carbon and graphite product manufacturing	\$0	\$0	\$0	\$0

343 Miscellaneous electrical equipment manufacturing	\$0	\$0	\$0	\$0
344 Automobile and light truck manufacturing	\$0	\$0	\$0	\$0
345 Heavy duty truck manufacturing	\$0	\$0	\$0	\$0
346 Motor vehicle body manufacturing	\$0	\$0	\$0	\$0
347 Truck trailer manufacturing	\$0	\$0	\$0	\$0
348 Motor home manufacturing	\$0	\$0	\$0	\$0
349 Travel trailer and camper manufacturing	\$0	\$0	\$0	\$0
350 Motor vehicle parts manufacturing	\$0	\$0	\$0	\$0
351 Aircraft manufacturing	\$0	\$0	\$0	\$0
352 Aircraft engine and engine parts manufacturing	\$0	\$4	\$0	\$4
353 Other aircraft parts and equipment	\$0	\$0	\$0	\$0
354 Guided missile and space vehicle manufacturing	\$0	\$0	\$0	\$0
355 Propulsion units and parts for space vehicles and	\$0	\$0	\$0	\$0
356 Railroad rolling stock manufacturing	\$0	\$0	\$0	\$0
357 Ship building and repairing	\$0	\$0	\$0	\$0
358 Boat building	\$0	\$0	\$0	\$0
359 Motorcycle- bicycle- and parts manufacturing	\$0	\$0	\$0	\$0
360 Military armored vehicles and tank parts manufactu	\$0	\$0	\$0	\$0
361 All other transportation equipment manufacturing	\$0	\$0	\$0	\$0
362 Wood kitchen cabinet and countertop manufacturing	\$0	\$7,319	\$712	\$8,031
363 Upholstered household furniture manufacturing	\$0	\$0	\$464	\$464
364 Nonupholstered wood household furniture manufactur	\$0	\$2	\$53	\$55
365 Metal household furniture manufacturing	\$0	\$0	\$0	\$0
366 Institutional furniture manufacturing	\$0	\$0	\$0	\$0
367 Other household and institutional furniture	\$0	\$0	\$0	\$0
368 Wood office furniture manufacturing	\$0	\$0	\$1	\$1
369 Custom architectural woodwork and millwork	\$0	\$0	\$0	\$0
370 Office furniture- except wood- manufacturing	\$0	\$1	\$0	\$1
371 Showcases- partitions- shelving- and lockers	\$0	\$0	\$0	\$0
372 Mattress manufacturing	\$0	\$0	\$0	\$0
373 Blind and shade manufacturing	\$0	\$0	\$0	\$0
374 Laboratory apparatus and furniture manufacturing	\$0	\$0	\$0	\$0
375 Surgical and medical instrument manufacturing	\$0	\$0	\$0	\$0
376 Surgical appliance and supplies manufacturing	\$0	\$0	\$0	\$0
377 Dental equipment and supplies manufacturing	\$0	\$0	\$0	\$0
378 Ophthalmic goods manufacturing	\$0	\$0	\$0	\$0
379 Dental laboratories	\$0	\$0	\$93	\$93
380 Jewelry and silverware manufacturing	\$0	\$66	\$167	\$233
381 Sporting and athletic goods manufacturing	\$0	\$0	\$0	\$0
382 Doll- toy- and game manufacturing	\$0	\$0	\$0	\$0
383 Office supplies- except paper- manufacturing	\$0	\$20	\$11	\$31
384 Sign manufacturing	\$0	\$453	\$9	\$462
385 Gasket- packing- and sealing device manufacturing	\$0	\$0	\$0	\$0
386 Musical instrument manufacturing	\$0	\$0	\$4	\$4
387 Broom- brush- and mop manufacturing	\$0	\$2	\$0	\$2
388 Burial casket manufacturing	\$0	\$0	\$0	\$0
389 Buttons- pins- and all other miscellaneous manufac	\$0	\$15	\$7	\$22
390 Wholesale trade	\$19,929,856	\$507,464	\$54,171	\$20,491,491
391 Air transportation	\$0	\$10,751	\$1,508	\$12,259
392 Rail transportation	\$0	\$20,813	\$4,033	\$24,846
393 Water transportation	\$0	\$661	\$684	\$1,345
394 Truck transportation	\$0	\$9,301	\$2,462	\$11,763
395 Transit and ground passenger transportation	\$0	\$8,785	\$2,352	\$11,137
396 Pipeline transportation	\$0	\$0	\$0	\$0
397 Scenic and sightseeing transportation and support	\$0	\$23,252	\$1,549	\$24,801
398 Postal service	\$0	\$405,549	\$18,051	\$423,600
399 Couriers and messengers	\$0	\$229,146	\$2,435	\$231,581
400 Warehousing and storage	\$0	\$37,819	\$673	\$38,492
401 Motor vehicle and parts dealers	\$0	\$5,246	\$5,936	\$11,182
402 Furniture and home furnishings stores	\$0	\$11,269	\$10,485	\$21,755
403 Electronics and appliance stores	\$0	\$788	\$639	\$1,428
404 Building material and garden supply stores	\$0	\$20,175	\$19,164	\$39,339
405 Food and beverage stores	\$0	\$21,052	\$23,622	\$44,674
406 Health and personal care stores	\$0	\$25,101	\$23,138	\$48,239
407 Gasoline stations	\$0	\$4,502	\$4,345	\$8,847
408 Clothing and clothing accessories stores	\$0	\$18,560	\$22,447	\$41,007
409 Sporting goods- hobby- book and music stores	\$0	\$9,196	\$9,711	\$18,907
410 General merchandise stores	\$0	\$8,123	\$9,124	\$17,246
411 Miscellaneous store retailers	\$0	\$13,616	\$15,300	\$28,916
412 Nonstore retailers	\$0	\$5,712	\$5,514	\$11,226

413 Newspaper publishers	\$0	\$199,499	\$5,699	\$205,198
414 Periodical publishers	\$0	\$99,957	\$4,065	\$104,022
415 Book publishers	\$0	\$957	\$753	\$1,710
416 Database- directory- and other publishers	\$0	\$6,659	\$513	\$7,173
417 Software publishers	\$0	\$247	\$1,838	\$2,085
418 Motion picture and video industries	\$0	\$31,224	\$5,823	\$37,047
419 Sound recording industries	\$0	\$954	\$1,127	\$2,081
420 Radio and television broadcasting	\$0	\$339,897	\$11,062	\$350,959
421 Cable networks and program distribution	\$0	\$4,589	\$4,568	\$9,157
422 Telecommunications	\$0	\$308,555	\$25,779	\$334,334
423 Information services	\$0	\$41,787	\$2,107	\$43,895
424 Data processing services	\$0	\$36,546	\$906	\$37,452
425 Nondepository credit intermediation and related a	\$0	\$763,183	\$38,398	\$801,581
426 Securities- commodity contracts- investments	\$0	\$320,709	\$85,227	\$405,936
427 Insurance carriers	\$0	\$67,410	\$65,068	\$132,478
428 Insurance agencies- brokerages- and related	\$0	\$17,327	\$17,010	\$34,338
429 Funds- trusts- and other financial vehicles	\$0	\$469	\$21,659	\$22,128
430 Monetary authorities and depository credit interme	\$0	\$212,395	\$51,412	\$263,807
431 Real estate	\$0	\$627,114	\$60,742	\$687,855
432 Automotive equipment rental and leasing	\$0	\$3,593	\$482	\$4,075
433 Video tape and disc rental	\$0	\$78	\$926	\$1,005
434 Machinery and equipment rental and leasing	\$0	\$38,395	\$1,052	\$39,447
435 General and consumer goods rental except video tap	\$0	\$27,511	\$1,825	\$29,336
436 Lessors of nonfinancial intangible assets	\$0	\$594	\$24	\$618
437 Legal services	\$0	\$588,854	\$61,999	\$650,853
438 Accounting and bookkeeping services	\$0	\$611,831	\$21,505	\$633,336
439 Architectural and engineering services	\$0	\$170,550	\$9,868	\$180,418
440 Specialized design services	\$0	\$109,991	\$2,266	\$112,257
441 Custom computer programming services	\$0	\$11,768	\$327	\$12,095
442 Computer systems design services	\$0	\$406,945	\$8,127	\$415,072
443 Other computer related services- including facilit	\$0	\$25,796	\$708	\$26,504
444 Management consulting services	\$0	\$1,094,862	\$20,251	\$1,115,114
445 Environmental and other technical consulting servi	\$0	\$53,367	\$2,993	\$56,360
446 Scientific research and development services	\$0	\$211,465	\$10,841	\$222,305
447 Advertising and related services	\$0	\$874,787	\$17,236	\$892,023

448 Photographic services	\$0	\$5,323	\$780	\$6,103
449 Veterinary services	\$0	\$415	\$6,526	\$6,941
450 All other miscellaneous professional and technical	\$0	\$30,808	\$1,759	\$32,567
451 Management of companies and enterprises	\$0	\$1,896,489	\$32,000	\$1,928,489
452 Office administrative services	\$0	\$230,668	\$7,574	\$238,242
453 Facilities support services	\$0	\$15,038	\$512	\$15,550
454 Employment services	\$0	\$994,192	\$28,338	\$1,022,531
455 Business support services	\$0	\$247,042	\$6,632	\$253,674
456 Travel arrangement and reservation services	\$0	\$13,590	\$3,814	\$17,404
457 Investigation and security services	\$0	\$156,498	\$4,041	\$160,540
458 Services to buildings and dwellings	\$0	\$369,193	\$15,469	\$384,662
459 Other support services	\$0	\$55,974	\$835	\$56,809
460 Waste management and remediation services	\$0	\$13,019	\$1,223	\$14,242
461 Elementary and secondary schools	\$0	\$0	\$30,819	\$30,819
462 Colleges- universities- and junior colleges	\$0	\$85,596	\$79,487	\$165,083
463 Other educational services	\$0	\$15,370	\$17,184	\$32,553
464 Home health care services	\$0	\$0	\$13,682	\$13,682
465 Offices of physicians- dentists- and other health	\$0	\$0	\$191,385	\$191,385
466 Other ambulatory health care services	\$0	\$237	\$41,085	\$41,322
467 Hospitals	\$0	\$0	\$300,112	\$300,112
468 Nursing and residential care facilities	\$0	\$0	\$84,018	\$84,018
469 Child day care services	\$0	\$0	\$21,653	\$21,653
470 Social assistance- except child day care services	\$0	\$74	\$63,838	\$63,912
471 Performing arts companies	\$0	\$8,646	\$3,953	\$12,599
472 Spectator sports	\$0	\$70,035	\$7,738	\$77,773
473 Independent artists- writers- and performers	\$0	\$8,922	\$565	\$9,488
474 Promoters of performing arts and sports and agents	\$0	\$13,517	\$3,100	\$16,618
475 Museums- historical sites- zoos- and parks	\$0	\$0	\$5,688	\$5,688
476 Fitness and recreational sports centers	\$0	\$17,536	\$6,465	\$24,001
477 Bowling centers	\$0	\$0	\$6	\$6
478 Other amusement- gambling- and recreation industri	\$0	\$3,241	\$8,166	\$11,407
479 Hotels and motels- including casino hotels	\$0	\$266,536	\$27,497	\$294,033
480 Other accommodations	\$0	\$326	\$4,427	\$4,753
481 Food services and drinking places	\$0	\$198,240	\$151,670	\$349,910
482 Car washes	\$0	\$4,832	\$989	\$5,821
483 Automotive repair and maintenance- except car wash	\$0	\$8,448	\$4,722	\$13,170
484 Electronic equipment repair and maintenance	\$0	\$8,024	\$234	\$8,258
485 Commercial machinery repair and maintenance	\$0	\$14,765	\$291	\$15,056
486 Household goods repair and maintenance	\$0	\$4,884	\$663	\$5,547
487 Personal care services	\$0	\$0	\$17,170	\$17,170
488 Death care services	\$0	\$0	\$2,994	\$2,994
489 Drycleaning and laundry services	\$0	\$7,095	\$6,103	\$13,197
490 Other personal services	\$0	\$19,040	\$7,097	\$26,137
491 Religious organizations	\$0	\$0	\$9,440	\$9,440
492 Grantmaking and giving and social advocacy organiz	\$0	\$0	\$26,581	\$26,581
493 Civic- social- professional and similar organizati	\$0	\$150,639	\$46,591	\$197,230
494 Private households	\$0	\$0	\$25,794	\$25,794
495 Federal electric utilities	\$0	\$0	\$0	\$0
496 Other Federal Government enterprises	\$0	\$120,119	\$78,635	\$198,754
497 State and local government passenger transit	\$0	\$65,317	\$17,491	\$82,809
498 State and local government electric utilities	\$0	\$0	\$0	\$0
499 Other State and local government enterprises	\$0	\$97,453	\$26,996	\$124,449
500 Noncomparable imports	\$0	\$0	\$0	\$0
501 Scrap	\$0	\$0	\$0	\$0
502 Used and secondhand goods	\$0	\$0	\$0	\$0
503 State & Local Education	\$0	\$0	\$0	\$0
504 State & Local Non-Education	\$0	\$0	\$0	\$0
505 Federal Military	\$0	\$0	\$0	\$0
506 Federal Non-Military	\$0	\$0	\$0	\$0
507 Rest of the world adjustment to final uses	\$0	\$0	\$0	\$0
508 Inventory valuation adjustment	\$0	\$0	\$0	\$0
509 Owner-occupied dwellings	\$0	\$0	\$0	\$0
25001 Foreign Trade	\$0	\$0	\$0	\$0
28001 Domestic Trade	\$0	\$0	\$0	\$0
<b>Total</b>	<b>\$19,929,856</b>	<b>\$14,224,600</b>	<b>\$2,289,331</b>	<b>\$36,443,786</b>
<b>% Proprietary</b>	<b>3.7%</b>	<b>8.7%</b>	<b>5.9%</b>	<b>5.8%</b>

Source: MIG; Economics Research Associates, 2008.

Appendix Table 5: Wholesale and Retail Trade (390) - Tax Impact

		Employee Compensation	Proprietary Income	Household Expenditures	Enterprises (Corporations)	Indirect Business Taxes	Total
Enterprises (Corporations)	Transfers	34,637	-	-	-	-	34,637
	Total	34,637	-	-	-	-	34,637
Federal Government Non Defense	Corporate Profits Tax	-	-	-	1,962,284	-	1,962,284
	Indirect Bus Tax: Custom Duty	-	-	-	-	373,562	373,562
	Indirect Bus Tax: Excise Taxes	-	-	-	-	1,006,957	1,006,957
	Indirect Bus Tax: Fed NonTaxes	-	-	-	-	456,489	456,489
	Personal Tax: Estate and Gift Tax	-	-	-	-	-	-
	Personal Tax: Income Tax	-	-	1,221,070	-	-	1,221,070
	Personal Tax: NonTaxes (Fines- Fees	-	-	-	-	-	-
	Social Ins Tax- Employee Contribution	1,441,042	96,293	-	-	-	1,537,335
	Social Ins Tax- Employer Contribution	1,462,380	-	-	-	-	1,462,380
	Total	2,903,421	96,293	1,221,070	1,962,284	1,837,008	8,020,077
State/Local Govt NonEducation	Corporate Profits Tax	-	-	-	393,514	-	393,514
	Dividends	-	-	-	108,007	-	108,007
	Indirect Bus Tax: Motor Vehicle Lic	-	-	-	-	46,249	46,249
	Indirect Bus Tax: Other Taxes	-	-	-	-	2,593,522	2,593,522
	Indirect Bus Tax: Property Tax	-	-	-	-	5,882,402	5,882,402
	Indirect Bus Tax: S/L NonTaxes	-	-	-	-	53,869	53,869
	Indirect Bus Tax: Sales Tax	-	-	-	-	5,819,413	5,819,413
	Personal Tax: Estate and Gift Tax	-	-	-	-	-	-
	Personal Tax: Income Tax	-	-	472,398	-	-	472,398
	Personal Tax: Motor Vehicle License	-	-	7,396	-	-	7,396
	Personal Tax: NonTaxes (Fines- Fees	-	-	245,853	-	-	245,853
	Personal Tax: Other Tax (Fish/Hunt)	-	-	-	-	-	-
	Personal Tax: Property Taxes	-	-	8,587	-	-	8,587
	Social Ins Tax- Employee Contribution	5,675	-	-	-	-	5,675
	Social Ins Tax- Employer Contribution	22,706	-	-	-	-	22,706
	Total	28,381	-	734,234	501,521	14,395,455	15,659,591
Total		2,966,439	96,293	1,955,304	2,463,805	16,232,463	23,714,305

Source: MIG; Economics Research Associates, 2008.

Appendix Table 6: Food &amp; Beverage Stores (405) - Output Impact

Industry	Direct	Indirect	Induced	Total
1 Oilseed farming	\$0	\$0	\$0	\$0
2 Grain farming	\$0	\$0	\$0	\$0
3 Vegetable and melon farming	\$0	\$0	\$0	\$0
4 Tree nut farming	\$0	\$0	\$0	\$0
5 Fruit farming	\$0	\$0	\$0	\$0
6 Greenhouse and nursery production	\$0	\$0	\$0	\$0
7 Tobacco farming	\$0	\$0	\$0	\$0
8 Cotton farming	\$0	\$0	\$0	\$0
9 Sugarcane and sugar beet farming	\$0	\$0	\$0	\$0
10 All other crop farming	\$0	\$0	\$0	\$0
11 Cattle ranching and farming	\$0	\$0	\$0	\$0
12 Poultry and egg production	\$0	\$0	\$0	\$0
13 Animal production- except cattle and poultry and e	\$0	\$0	\$0	\$0
14 Logging	\$0	\$20	\$1	\$22
15 Forest nurseries- forest products- and timber trac	\$0	\$0	\$0	\$0
16 Fishing	\$0	\$0	\$0	\$0
17 Hunting and trapping	\$0	\$0	\$88	\$88
18 Agriculture and forestry support activities	\$0	\$30	\$4	\$34
19 Oil and gas extraction	\$0	\$0	\$0	\$0
20 Coal mining	\$0	\$0	\$0	\$0
21 Iron ore mining	\$0	\$0	\$0	\$0
22 Copper- nickel- lead- and zinc mining	\$0	\$0	\$0	\$0
23 Gold- silver- and other metal ore mining	\$0	\$0	\$0	\$0
24 Stone mining and quarrying	\$0	\$0	\$0	\$0
25 Sand- gravel- clay- and refractory mining	\$0	\$0	\$0	\$0
26 Other nonmetallic mineral mining	\$0	\$0	\$0	\$0
27 Drilling oil and gas wells	\$0	\$0	\$0	\$0
28 Support activities for oil and gas operations	\$0	\$0	\$0	\$0
29 Support activities for other mining	\$0	\$0	\$0	\$0
30 Power generation and supply	\$0	\$483,274	\$38,799	\$522,073
31 Natural gas distribution	\$0	\$61,926	\$12,015	\$73,941
32 Water- sewage and other systems	\$0	\$27,175	\$5,556	\$32,731
33 New residential 1-unit structures- all	\$0	\$0	\$0	\$0
34 New multifamily housing structures- all	\$0	\$0	\$0	\$0
35 New residential additions and alterations- all	\$0	\$0	\$0	\$0
36 New farm housing units	\$0	\$0	\$0	\$0
37 Manufacturing and industrial buildings	\$0	\$0	\$0	\$0
38 Commercial and institutional buildings	\$0	\$0	\$0	\$0
39 Highway- street- bridge- and tunnel construction	\$0	\$0	\$0	\$0
40 Water- sewer- and pipeline construction	\$0	\$0	\$0	\$0
41 Other new construction	\$0	\$0	\$0	\$0
42 Maintenance and repair of farm and nonfarm residen	\$0	\$4,936	\$1,461	\$6,396
43 Maintenance and repair of nonresidential buildings	\$0	\$54,222	\$1,504	\$55,725
44 Maintenance and repair of highways- streets- bridg	\$0	\$0	\$0	\$0
45 Other maintenance and repair construction	\$0	\$772	\$43	\$816
46 Dog and cat food manufacturing	\$0	\$0	\$0	\$0
47 Other animal food manufacturing	\$0	\$0	\$0	\$0
48 Flour milling	\$0	\$0	\$0	\$0
49 Rice milling	\$0	\$0	\$0	\$0
50 Malt manufacturing	\$0	\$0	\$0	\$0
51 Wet corn milling	\$0	\$0	\$0	\$0
52 Soybean processing	\$0	\$0	\$0	\$0
53 Other oilseed processing	\$0	\$0	\$0	\$0
54 Fats and oils refining and blending	\$0	\$0	\$0	\$0
55 Breakfast cereal manufacturing	\$0	\$0	\$0	\$0
56 Sugar manufacturing	\$0	\$0	\$0	\$0
57 Confectionery manufacturing from cacao beans	\$0	\$0	\$0	\$0
58 Confectionery manufacturing from purchased chocola	\$0	\$7	\$73	\$81
59 Nonchocolate confectionery manufacturing	\$0	\$0	\$0	\$0
60 Frozen food manufacturing	\$0	\$1	\$3	\$3

61 Fruit and vegetable canning and drying	\$0	\$0	\$0	\$0
62 Fluid milk manufacturing	\$0	\$0	\$0	\$0
63 Creamery butter manufacturing	\$0	\$0	\$0	\$0
64 Cheese manufacturing	\$0	\$0	\$0	\$0
65 Dry- condensed- and evaporated dairy products	\$0	\$0	\$0	\$0
66 Ice cream and frozen dessert manufacturing	\$0	\$0	\$0	\$0
67 Animal- except poultry- slaughtering	\$0	\$0	\$0	\$0
68 Meat processed from carcasses	\$0	\$0	\$0	\$0
69 Rendering and meat byproduct processing	\$0	\$0	\$0	\$0
70 Poultry processing	\$0	\$0	\$0	\$0
71 Seafood product preparation and packaging	\$0	\$0	\$0	\$0
72 Frozen cakes and other pastries manufacturing	\$0	\$0	\$0	\$0
73 Bread and bakery product- except frozen- manufactu	\$0	\$1,748	\$4,082	\$5,830
74 Cookie and cracker manufacturing	\$0	\$0	\$0	\$0
75 Mixes and dough made from purchased flour	\$0	\$0	\$0	\$0
76 Dry pasta manufacturing	\$0	\$0	\$0	\$0
77 Tortilla manufacturing	\$0	\$0	\$0	\$0
78 Roasted nuts and peanut butter manufacturing	\$0	\$0	\$0	\$0
79 Other snack food manufacturing	\$0	\$0	\$0	\$0
80 Coffee and tea manufacturing	\$0	\$0	\$0	\$0
81 Flavoring syrup and concentrate manufacturing	\$0	\$0	\$0	\$0
82 Mayonnaise- dressing- and sauce manufacturing	\$0	\$0	\$0	\$0
83 Spice and extract manufacturing	\$0	\$0	\$0	\$0
84 All other food manufacturing	\$0	\$16	\$220	\$235
85 Soft drink and ice manufacturing	\$0	\$0	\$0	\$0
86 Breweries	\$0	\$4	\$17	\$21
87 Wineries	\$0	\$0	\$0	\$0
88 Distilleries	\$0	\$0	\$0	\$0
89 Tobacco stemming and redrying	\$0	\$0	\$0	\$0
90 Cigarette manufacturing	\$0	\$0	\$215	\$215
91 Other tobacco product manufacturing	\$0	\$0	\$0	\$0
92 Fiber- yarn- and thread mills	\$0	\$0	\$0	\$0
93 Broadwoven fabric mills	\$0	\$1	\$3	\$4
94 Narrow fabric mills and schiffli embroidery	\$0	\$0	\$0	\$0
95 Nonwoven fabric mills	\$0	\$0	\$0	\$0
96 Knit fabric mills	\$0	\$0	\$0	\$0
97 Textile and fabric finishing mills	\$0	\$7	\$1	\$8
98 Fabric coating mills	\$0	\$0	\$0	\$0
99 Carpet and rug mills	\$0	\$9	\$15	\$24
100 Curtain and linen mills	\$0	\$101	\$555	\$657
101 Textile bag and canvas mills	\$0	\$0	\$0	\$0
102 Tire cord and tire fabric mills	\$0	\$0	\$0	\$0
103 Other miscellaneous textile product mills	\$0	\$0	\$0	\$0
104 Sheer hosiery mills	\$0	\$0	\$0	\$0
105 Other hosiery and sock mills	\$0	\$0	\$0	\$0
106 Other apparel knitting mills	\$0	\$0	\$0	\$0
107 Cut and sew apparel manufacturing	\$0	\$18	\$697	\$715
108 Accessories and other apparel manufacturing	\$0	\$0	\$0	\$0
109 Leather and hide tanning and finishing	\$0	\$0	\$0	\$0
110 Footwear manufacturing	\$0	\$0	\$0	\$0
111 Other leather product manufacturing	\$0	\$0	\$0	\$0
112 Sawmills	\$0	\$0	\$0	\$0
113 Wood preservation	\$0	\$0	\$0	\$0
114 Reconstituted wood product manufacturing	\$0	\$0	\$0	\$0
115 Veneer and plywood manufacturing	\$0	\$0	\$0	\$0
116 Engineered wood member and truss manufacturing	\$0	\$0	\$0	\$0
117 Wood windows and door manufacturing	\$0	\$0	\$0	\$0
118 Cut stock- resawing lumber- and planing	\$0	\$0	\$0	\$0
119 Other millwork- including flooring	\$0	\$775	\$33	\$807
120 Wood container and pallet manufacturing	\$0	\$0	\$0	\$0
121 Manufactured home- mobile home- manufacturing	\$0	\$0	\$0	\$0
122 Prefabricated wood building manufacturing	\$0	\$0	\$0	\$0
123 Miscellaneous wood product manufacturing	\$0	\$0	\$0	\$0
124 Pulp mills	\$0	\$0	\$0	\$0
125 Paper and paperboard mills	\$0	\$0	\$0	\$0
126 Paperboard container manufacturing	\$0	\$0	\$0	\$0
127 Flexible packaging foil manufacturing	\$0	\$0	\$0	\$0
128 Surface-coated paperboard manufacturing	\$0	\$0	\$0	\$0

129 Coated and laminated paper and packaging materials	\$0	\$0	\$0	\$0
130 Coated and uncoated paper bag manufacturing	\$0	\$0	\$0	\$0
131 Die-cut paper office supplies manufacturing	\$0	\$0	\$0	\$0
132 Envelope manufacturing	\$0	\$0	\$0	\$0
133 Stationery and related product manufacturing	\$0	\$0	\$0	\$0
134 Sanitary paper product manufacturing	\$0	\$0	\$0	\$0
135 All other converted paper product manufacturing	\$0	\$190	\$2	\$192
136 Manifold business forms printing	\$0	\$202	\$8	\$210
137 Books printing	\$0	\$0	\$0	\$0
138 Blankbook and looseleaf binder manufacturing	\$0	\$0	\$0	\$0
139 Commercial printing	\$0	\$17,743	\$511	\$18,255
140 Tradebinding and related work	\$0	\$379	\$26	\$405
141 Prepress services	\$0	\$1,512	\$47	\$1,559
142 Petroleum refineries	\$0	\$325,913	\$27,553	\$353,466
143 Asphalt paving mixture and block manufacturing	\$0	\$0	\$0	\$0
144 Asphalt shingle and coating materials manufacturin	\$0	\$0	\$0	\$0
145 Petroleum lubricating oil and grease manufacturing	\$0	\$0	\$0	\$0
146 All other petroleum and coal products manufacturin	\$0	\$1,524	\$216	\$1,740
147 Petrochemical manufacturing	\$0	\$0	\$0	\$0
148 Industrial gas manufacturing	\$0	\$0	\$0	\$0
149 Synthetic dye and pigment manufacturing	\$0	\$0	\$0	\$0
150 Other basic inorganic chemical manufacturing	\$0	\$46	\$13	\$59
151 Other basic organic chemical manufacturing	\$0	\$0	\$0	\$0
152 Plastics material and resin manufacturing	\$0	\$0	\$0	\$0
153 Synthetic rubber manufacturing	\$0	\$0	\$0	\$0
154 Cellulosic organic fiber manufacturing	\$0	\$0	\$0	\$0
155 Noncellulosic organic fiber manufacturing	\$0	\$0	\$0	\$0
156 Nitrogenous fertilizer manufacturing	\$0	\$0	\$0	\$0
157 Phosphatic fertilizer manufacturing	\$0	\$0	\$0	\$0
158 Fertilizer- mixing only- manufacturing	\$0	\$2	\$0	\$3
159 Pesticide and other agricultural chemical manufact	\$0	\$0	\$0	\$0
160 Pharmaceutical and medicine manufacturing	\$0	\$5	\$2,911	\$2,917
161 Paint and coating manufacturing	\$0	\$0	\$0	\$0
162 Adhesive manufacturing	\$0	\$6,161	\$382	\$6,543
163 Soap and other detergent manufacturing	\$0	\$338	\$114	\$452
164 Polish and other sanitation good manufacturing	\$0	\$0	\$0	\$0
165 Surface active agent manufacturing	\$0	\$0	\$0	\$0
166 Toilet preparation manufacturing	\$0	\$0	\$0	\$0
167 Printing ink manufacturing	\$0	\$0	\$0	\$0
168 Explosives manufacturing	\$0	\$0	\$0	\$0
169 Custom compounding of purchased resins	\$0	\$0	\$0	\$0
170 Photographic film and chemical manufacturing	\$0	\$0	\$0	\$0
171 Other miscellaneous chemical product manufacturing	\$0	\$0	\$0	\$0
172 Plastics packaging materials- film and sheet	\$0	\$0	\$0	\$0
173 Plastics pipe- fittings- and profile shapes	\$0	\$0	\$0	\$0
174 Laminated plastics plate- sheet- and shapes	\$0	\$0	\$0	\$0
175 Plastics bottle manufacturing	\$0	\$0	\$0	\$0
176 Resilient floor covering manufacturing	\$0	\$238	\$10	\$248
177 Plastics plumbing fixtures and all other plastics	\$0	\$0	\$0	\$0
178 Foam product manufacturing	\$0	\$0	\$0	\$0
179 Tire manufacturing	\$0	\$12	\$2	\$13
180 Rubber and plastics hose and belting manufacturing	\$0	\$0	\$0	\$0
181 Other rubber product manufacturing	\$0	\$0	\$0	\$0
182 Vitreous china plumbing fixture manufacturing	\$0	\$0	\$0	\$0
183 Vitreous china and earthenware articles manufactur	\$0	\$3	\$56	\$59
184 Porcelain electrical supply manufacturing	\$0	\$0	\$0	\$0
185 Brick and structural clay tile manufacturing	\$0	\$0	\$0	\$0
186 Ceramic wall and floor tile manufacturing	\$0	\$0	\$0	\$0
187 Nonclay refractory manufacturing	\$0	\$0	\$0	\$0
188 Clay refractory and other structural clay products	\$0	\$0	\$0	\$0
189 Glass container manufacturing	\$0	\$0	\$0	\$0
190 Glass and glass products- except glass containers	\$0	\$0	\$0	\$0
191 Cement manufacturing	\$0	\$0	\$0	\$0
192 Ready-mix concrete manufacturing	\$0	\$1	\$0	\$1
193 Concrete block and brick manufacturing	\$0	\$0	\$0	\$0
194 Concrete pipe manufacturing	\$0	\$0	\$0	\$0
195 Other concrete product manufacturing	\$0	\$0	\$0	\$0
196 Lime manufacturing	\$0	\$0	\$0	\$0

197 Gypsum product manufacturing	\$0	\$0	\$0	\$0
198 Abrasive product manufacturing	\$0	\$0	\$0	\$0
199 Cut stone and stone product manufacturing	\$0	\$0	\$0	\$0
200 Ground or treated minerals and earths manufacturin	\$0	\$0	\$0	\$0
201 Mineral wool manufacturing	\$0	\$0	\$0	\$0
202 Miscellaneous nonmetallic mineral products	\$0	\$0	\$0	\$0
203 Iron and steel mills	\$0	\$29	\$1	\$30
204 Ferroalloy and related product manufacturing	\$0	\$0	\$0	\$0
205 Iron- steel pipe and tube from purchased steel	\$0	\$0	\$0	\$0
206 Rolled steel shape manufacturing	\$0	\$0	\$0	\$0
207 Steel wire drawing	\$0	\$0	\$0	\$0
208 Alumina refining	\$0	\$0	\$0	\$0
209 Primary aluminum production	\$0	\$0	\$0	\$1
210 Secondary smelting and alloying of aluminum	\$0	\$2	\$0	\$2
211 Aluminum sheet- plate- and foil manufacturing	\$0	\$0	\$0	\$0
212 Aluminum extruded product manufacturing	\$0	\$0	\$0	\$0
213 Other aluminum rolling and drawing	\$0	\$0	\$0	\$0
214 Primary smelting and refining of copper	\$0	\$0	\$0	\$0
215 Primary nonferrous metal- except copper and alumin	\$0	\$0	\$0	\$0
216 Copper rolling- drawing- and extruding	\$0	\$0	\$0	\$0
217 Copper wire- except mechanical- drawing	\$0	\$0	\$0	\$0
218 Secondary processing of copper	\$0	\$0	\$0	\$0
219 Nonferrous metal- except copper and aluminum- shap	\$0	\$0	\$0	\$0
220 Secondary processing of other nonferrous	\$0	\$0	\$0	\$0
221 Ferrous metal foundaries	\$0	\$0	\$0	\$0
222 Aluminum foundries	\$0	\$0	\$0	\$0
223 Nonferrous foundries- except aluminum	\$0	\$0	\$0	\$0
224 Iron and steel forging	\$0	\$0	\$0	\$0
225 Nonferrous forging	\$0	\$0	\$0	\$0
226 Custom roll forming	\$0	\$0	\$0	\$0
227 All other forging and stamping	\$0	\$0	\$0	\$0
228 Cutlery and flatware- except precious- manufacturi	\$0	\$0	\$0	\$0
229 Hand and edge tool manufacturing	\$0	\$0	\$0	\$0
230 Saw blade and handsaw manufacturing	\$0	\$0	\$0	\$0
231 Kitchen utensil- pot- and pan manufacturing	\$0	\$0	\$0	\$0
232 Prefabricated metal buildings and components	\$0	\$0	\$0	\$0
233 Fabricated structural metal manufacturing	\$0	\$29	\$0	\$29
234 Plate work manufacturing	\$0	\$0	\$0	\$0
235 Metal window and door manufacturing	\$0	\$0	\$0	\$0
236 Sheet metal work manufacturing	\$0	\$8	\$0	\$9
237 Ornamental and architectural metal work manufactur	\$0	\$137	\$5	\$141
238 Power boiler and heat exchanger manufacturing	\$0	\$0	\$0	\$0
239 Metal tank- heavy gauge- manufacturing	\$0	\$0	\$0	\$0
240 Metal can- box- and other container manufacturing	\$0	\$0	\$0	\$0
241 Hardware manufacturing	\$0	\$0	\$0	\$0
242 Spring and wire product manufacturing	\$0	\$0	\$0	\$0
243 Machine shops	\$0	\$0	\$0	\$0
244 Turned product and screw- nut- and bolt manufactur	\$0	\$0	\$0	\$0
245 Metal heat treating	\$0	\$0	\$0	\$0
246 Metal coating and nonprecious engraving	\$0	\$0	\$0	\$0
247 Electroplating- anodizing- and coloring metal	\$0	\$0	\$0	\$0
248 Metal valve manufacturing	\$0	\$73	\$4	\$77
249 Ball and roller bearing manufacturing	\$0	\$0	\$0	\$0
250 Small arms manufacturing	\$0	\$0	\$0	\$0
251 Other ordnance and accessories manufacturing	\$0	\$0	\$0	\$0
252 Fabricated pipe and pipe fitting manufacturing	\$0	\$0	\$0	\$0
253 Industrial pattern manufacturing	\$0	\$0	\$0	\$0
254 Enameled iron and metal sanitary ware manufacturin	\$0	\$0	\$0	\$0
255 Miscellaneous fabricated metal product manufacturi	\$0	\$0	\$0	\$0
256 Ammunition manufacturing	\$0	\$0	\$0	\$0
257 Farm machinery and equipment manufacturing	\$0	\$0	\$0	\$0
258 Lawn and garden equipment manufacturing	\$0	\$0	\$0	\$0
259 Construction machinery manufacturing	\$0	\$57	\$3	\$60
260 Mining machinery and equipment manufacturing	\$0	\$0	\$0	\$0
261 Oil and gas field machinery and equipment	\$0	\$26	\$0	\$26
262 Sawmill and woodworking machinery	\$0	\$0	\$0	\$0
263 Plastics and rubber industry machinery	\$0	\$0	\$0	\$0
264 Paper industry machinery manufacturing	\$0	\$0	\$0	\$0

265 Textile machinery manufacturing	\$0	\$0	\$0	\$0
266 Printing machinery and equipment manufacturing	\$0	\$0	\$0	\$0
267 Food product machinery manufacturing	\$0	\$0	\$0	\$0
268 Semiconductor machinery manufacturing	\$0	\$0	\$0	\$0
269 All other industrial machinery manufacturing	\$0	\$0	\$0	\$0
270 Office machinery manufacturing	\$0	\$908	\$98	\$1,006
271 Optical instrument and lens manufacturing	\$0	\$0	\$0	\$0
272 Photographic and photocopying equipment manufactur	\$0	\$0	\$0	\$0
273 Other commercial and service industry machinery ma	\$0	\$0	\$0	\$0
274 Automatic vending- commercial laundry and dryclean	\$0	\$0	\$0	\$0
275 Air purification equipment manufacturing	\$0	\$0	\$0	\$0
276 Industrial and commercial fan and blower manufactu	\$0	\$0	\$0	\$0
277 Heating equipment- except warm air furnaces	\$0	\$0	\$0	\$0
278 AC- refrigeration- and forced air heating	\$0	\$0	\$0	\$0
279 Industrial mold manufacturing	\$0	\$0	\$0	\$0
280 Metal cutting machine tool manufacturing	\$0	\$0	\$0	\$0
281 Metal forming machine tool manufacturing	\$0	\$0	\$0	\$0
282 Special tool- die- jig- and fixture manufacturing	\$0	\$0	\$0	\$0
283 Cutting tool and machine tool accessory manufactur	\$0	\$0	\$0	\$0
284 Rolling mill and other metalworking machinery	\$0	\$0	\$0	\$0
285 Turbine and turbine generator set units manufactur	\$0	\$47	\$4	\$50
286 Other engine equipment manufacturing	\$0	\$0	\$0	\$0
287 Speed changers and mechanical power transmission e	\$0	\$0	\$0	\$0
288 Pump and pumping equipment manufacturing	\$0	\$0	\$0	\$0
289 Air and gas compressor manufacturing	\$0	\$0	\$0	\$0
290 Measuring and dispensing pump manufacturing	\$0	\$0	\$0	\$0
291 Elevator and moving stairway manufacturing	\$0	\$1	\$0	\$2
292 Conveyor and conveying equipment manufacturing	\$0	\$25	\$1	\$26
293 Overhead cranes- hoists- and monorail systems	\$0	\$16	\$0	\$16
294 Industrial truck- trailer- and stacker manufacturi	\$0	\$0	\$0	\$0
295 Power-driven handtool manufacturing	\$0	\$0	\$0	\$0
296 Welding and soldering equipment manufacturing	\$0	\$0	\$0	\$0
297 Packaging machinery manufacturing	\$0	\$0	\$0	\$0
298 Industrial process furnace and oven manufacturing	\$0	\$0	\$0	\$0
299 Fluid power cylinder and actuator manufacturing	\$0	\$0	\$0	\$0
300 Fluid power pump and motor manufacturing	\$0	\$0	\$0	\$0
301 Scales- balances- and miscellaneous general purpos	\$0	\$0	\$0	\$0
302 Electronic computer manufacturing	\$0	\$0	\$0	\$0
303 Computer storage device manufacturing	\$0	\$0	\$0	\$0
304 Computer terminal manufacturing	\$0	\$15	\$1	\$16
305 Other computer peripheral equipment manufacturing	\$0	\$0	\$0	\$0
306 Telephone apparatus manufacturing	\$0	\$1,622	\$309	\$1,931
307 Broadcast and wireless communications equipment	\$0	\$37	\$24	\$60
308 Other communications equipment manufacturing	\$0	\$0	\$0	\$0
309 Audio and video equipment manufacturing	\$0	\$31	\$118	\$149
310 Electron tube manufacturing	\$0	\$0	\$0	\$0
311 Semiconductors and related device manufacturing	\$0	\$21,527	\$456	\$21,983
312 All other electronic component manufacturing	\$0	\$0	\$0	\$0
313 Electromedical apparatus manufacturing	\$0	\$0	\$18	\$18
314 Search- detection- and navigation instruments	\$0	\$1	\$1	\$2
315 Automatic environmental control manufacturing	\$0	\$0	\$0	\$0
316 Industrial process variable instruments	\$0	\$0	\$0	\$0
317 Totalizing fluid meters and counting devices	\$0	\$0	\$0	\$0
318 Electricity and signal testing instruments	\$0	\$7	\$0	\$8
319 Analytical laboratory instrument manufacturing	\$0	\$0	\$1	\$1
320 Irradiation apparatus manufacturing	\$0	\$0	\$0	\$0
321 Watch- clock- and other measuring and controlling	\$0	\$0	\$0	\$0
322 Software reproducing	\$0	\$14,609	\$292	\$14,900
323 Audio and video media reproduction	\$0	\$0	\$0	\$0
324 Magnetic and optical recording media manufacturing	\$0	\$874	\$49	\$924
325 Electric lamp bulb and part manufacturing	\$0	\$0	\$0	\$0
326 Lighting fixture manufacturing	\$0	\$0	\$0	\$0
327 Electric housewares and household fan manufacturin	\$0	\$0	\$0	\$0
328 Household vacuum cleaner manufacturing	\$0	\$0	\$0	\$0
329 Household cooking appliance manufacturing	\$0	\$0	\$0	\$0
330 Household refrigerator and home freezer manufactur	\$0	\$0	\$0	\$0
331 Household laundry equipment manufacturing	\$0	\$0	\$0	\$0
332 Other major household appliance manufacturing	\$0	\$0	\$0	\$0

333 Electric power and specialty transformer manufactu	\$0	\$0	\$0	\$0
334 Motor and generator manufacturing	\$0	\$0	\$0	\$0
335 Switchgear and switchboard apparatus manufacturing	\$0	\$0	\$0	\$0
336 Relay and industrial control manufacturing	\$0	\$0	\$0	\$0
337 Storage battery manufacturing	\$0	\$0	\$0	\$0
338 Primary battery manufacturing	\$0	\$0	\$0	\$0
339 Fiber optic cable manufacturing	\$0	\$0	\$0	\$0
340 Other communication and energy wire manufacturing	\$0	\$538	\$27	\$565
341 Wiring device manufacturing	\$0	\$82	\$4	\$86
342 Carbon and graphite product manufacturing	\$0	\$0	\$0	\$0
343 Miscellaneous electrical equipment manufacturing	\$0	\$0	\$0	\$0
344 Automobile and light truck manufacturing	\$0	\$0	\$0	\$0
345 Heavy duty truck manufacturing	\$0	\$0	\$0	\$0
346 Motor vehicle body manufacturing	\$0	\$0	\$0	\$0
347 Truck trailer manufacturing	\$0	\$0	\$0	\$0
348 Motor home manufacturing	\$0	\$0	\$0	\$0
349 Travel trailer and camper manufacturing	\$0	\$0	\$0	\$0
350 Motor vehicle parts manufacturing	\$0	\$0	\$0	\$0
351 Aircraft manufacturing	\$0	\$0	\$0	\$0
352 Aircraft engine and engine parts manufacturing	\$0	\$7	\$0	\$8
353 Other aircraft parts and equipment	\$0	\$0	\$0	\$0
354 Guided missile and space vehicle manufacturing	\$0	\$0	\$0	\$0
355 Propulsion units and parts for space vehicles and	\$0	\$0	\$0	\$0
356 Railroad rolling stock manufacturing	\$0	\$0	\$0	\$0
357 Ship building and repairing	\$0	\$0	\$0	\$0
358 Boat building	\$0	\$0	\$0	\$0
359 Motorcycle- bicycle- and parts manufacturing	\$0	\$0	\$0	\$0
360 Military armored vehicles and tank parts manufactu	\$0	\$0	\$0	\$0
361 All other transportation equipment manufacturing	\$0	\$0	\$0	\$0
362 Wood kitchen cabinet and countertop manufacturing	\$0	\$12,678	\$688	\$13,366
363 Upholstered household furniture manufacturing	\$0	\$0	\$387	\$387
364 Nonupholstered wood household furniture manufactur	\$0	\$1	\$51	\$52
365 Metal household furniture manufacturing	\$0	\$0	\$0	\$0
366 Institutional furniture manufacturing	\$0	\$0	\$0	\$0
367 Other household and institutional furniture	\$0	\$0	\$0	\$0
368 Wood office furniture manufacturing	\$0	\$0	\$1	\$1
369 Custom architectural woodwork and millwork	\$0	\$0	\$0	\$0
370 Office furniture- except wood- manufacturing	\$0	\$2	\$1	\$3
371 Showcases- partitions- shelving- and lockers	\$0	\$0	\$0	\$0
372 Mattress manufacturing	\$0	\$0	\$0	\$0
373 Blind and shade manufacturing	\$0	\$0	\$0	\$0
374 Laboratory apparatus and furniture manufacturing	\$0	\$0	\$0	\$0
375 Surgical and medical instrument manufacturing	\$0	\$0	\$0	\$0
376 Surgical appliance and supplies manufacturing	\$0	\$0	\$0	\$0
377 Dental equipment and supplies manufacturing	\$0	\$0	\$0	\$0
378 Ophthalmic goods manufacturing	\$0	\$0	\$0	\$0
379 Dental laboratories	\$0	\$0	\$61	\$61
380 Jewelry and silverware manufacturing	\$0	\$95	\$336	\$431
381 Pipeline transportation	\$0	\$0	\$0	\$0
382 Doll- toy- and game manufacturing	\$0	\$0	\$0	\$0
383 Office supplies- except paper- manufacturing	\$0	\$32	\$14	\$47
384 Sign manufacturing	\$0	\$765	\$8	\$773
385 Gasket- packing- and sealing device manufacturing	\$0	\$0	\$0	\$0
386 Musical instrument manufacturing	\$0	\$0	\$4	\$5
387 Broom- brush- and mop manufacturing	\$0	\$3	\$0	\$3
388 Burial casket manufacturing	\$0	\$0	\$0	\$0
389 Buttons- pins- and all other miscellaneous manufac	\$0	\$27	\$8	\$36
390 Wholesale trade	\$0	\$265,473	\$106,175	\$371,649
391 Air transportation	\$0	\$10,315	\$1,685	\$12,000
392 Rail transportation	\$0	\$22,012	\$4,732	\$26,744
393 Water transportation	\$0	\$2,644	\$2,572	\$5,216
394 Truck transportation	\$0	\$14,772	\$2,938	\$17,711
395 Transit and ground passenger transportation	\$0	\$12,732	\$2,257	\$14,989
396 Pipeline transportation	\$0	\$0	\$0	\$0
397 Scenic and sightseeing transportation and support	\$0	\$4,668	\$886	\$5,553
398 Postal service	\$0	\$243,877	\$9,082	\$252,959
399 Couriers and messengers	\$0	\$151,991	\$2,182	\$154,173
400 Warehousing and storage	\$0	\$63,285	\$468	\$63,753

401 Motor vehicle and parts dealers	\$0	\$7,938	\$5,263	\$13,201
402 Furniture and home furnishings stores	\$0	\$20,813	\$11,349	\$32,162
403 Electronics and appliance stores	\$0	\$833	\$396	\$1,228
404 Building material and garden supply stores	\$0	\$32,578	\$18,136	\$50,715
405 Food and beverage stores	\$35,404,000	\$87,460	\$57,517	\$35,548,977
406 Health and personal care stores	\$0	\$36,116	\$19,510	\$55,627
407 Gasoline stations	\$0	\$9,917	\$5,609	\$15,526
408 Clothing and clothing accessories stores	\$0	\$39,294	\$27,852	\$67,147
409 Sporting goods- hobby- book and music stores	\$0	\$14,763	\$9,136	\$23,898
410 General merchandise stores	\$0	\$12,619	\$8,307	\$20,926
411 Miscellaneous store retailers	\$0	\$17,248	\$11,358	\$28,607
412 Nonstore retailers	\$0	\$18,797	\$10,636	\$29,433
413 Newspaper publishers	\$0	\$314,568	\$4,646	\$319,214
414 Periodical publishers	\$0	\$242,522	\$5,102	\$247,624
415 Book publishers	\$0	\$1,559	\$1,067	\$2,626
416 Database- directory- and other publishers	\$0	\$23,134	\$965	\$24,098
417 Software publishers	\$0	\$271	\$2,301	\$2,572
418 Motion picture and video industries	\$0	\$66,307	\$6,705	\$73,012
419 Sound recording industries	\$0	\$3,769	\$2,866	\$6,634
420 Radio and television broadcasting	\$0	\$540,585	\$8,831	\$549,416
421 Cable networks and program distribution	\$0	\$41,405	\$26,036	\$67,441
422 Telecommunications	\$0	\$549,350	\$45,457	\$594,807
423 Information services	\$0	\$67,731	\$2,662	\$70,393
424 Data processing services	\$0	\$63,061	\$937	\$63,998
425 Nondepository credit intermediation and related a	\$0	\$862,160	\$33,388	\$895,549
426 Securities- commodity contracts- investments	\$0	\$187,312	\$49,911	\$237,223
427 Insurance carriers	\$0	\$142,433	\$77,981	\$220,415
428 Insurance agencies- brokerages- and related	\$0	\$28,408	\$15,819	\$44,227
429 Funds- trusts- and other financial vehicles	\$0	\$988	\$29,092	\$30,080
430 Monetary authorities and depository credit interme	\$0	\$442,703	\$84,848	\$527,551
431 Real estate	\$0	\$3,568,829	\$145,662	\$3,714,491
432 Automotive equipment rental and leasing	\$0	\$6,577	\$966	\$7,543
433 Video tape and disc rental	\$0	\$90	\$1,174	\$1,264
434 Machinery and equipment rental and leasing	\$0	\$95,925	\$3,001	\$98,926
435 General and consumer goods rental except video tap	\$0	\$15,749	\$1,155	\$16,904
436 Lessors of nonfinancial intangible assets	\$0	\$7,121	\$181	\$7,302
437 Legal services	\$0	\$383,354	\$44,658	\$428,012
438 Accounting and bookkeeping services	\$0	\$481,684	\$13,905	\$495,590
439 Architectural and engineering services	\$0	\$106,962	\$6,362	\$113,324
440 Specialized design services	\$0	\$109,685	\$2,049	\$111,734
441 Custom computer programming services	\$0	\$4,604	\$141	\$4,744
442 Computer systems design services	\$0	\$123,020	\$3,633	\$126,654
443 Other computer related services- including facilit	\$0	\$21,208	\$797	\$22,005
444 Management consulting services	\$0	\$565,515	\$13,299	\$578,814
445 Environmental and other technical consulting servi	\$0	\$58,796	\$2,554	\$61,350
446 Scientific research and development services	\$0	\$26,848	\$6,332	\$33,180
447 Advertising and related services	\$0	\$1,150,461	\$11,463	\$1,161,924
448 Photographic services	\$0	\$3,818	\$845	\$4,663
449 Veterinary services	\$0	\$344	\$4,255	\$4,599
450 All other miscellaneous professional and technical	\$0	\$122,511	\$6,117	\$128,628
451 Management of companies and enterprises	\$0	\$3,124,848	\$23,000	\$3,147,847
452 Office administrative services	\$0	\$278,387	\$8,734	\$287,122
453 Facilities support services	\$0	\$10,506	\$336	\$10,842
454 Employment services	\$0	\$434,056	\$12,801	\$446,857
455 Business support services	\$0	\$167,747	\$5,062	\$172,809
456 Travel arrangement and reservation services	\$0	\$15,180	\$4,429	\$19,609
457 Investigation and security services	\$0	\$84,198	\$2,371	\$86,569
458 Services to buildings and dwellings	\$0	\$353,368	\$15,781	\$369,149
459 Other support services	\$0	\$66,566	\$1,119	\$67,685
460 Waste management and remediation services	\$0	\$37,281	\$1,647	\$38,928
461 Elementary and secondary schools	\$0	\$0	\$16,370	\$16,370
462 Colleges- universities- and junior colleges	\$0	\$41,489	\$51,147	\$92,636
463 Other educational services	\$0	\$9,677	\$14,307	\$23,984
464 Home health care services	\$0	\$0	\$9,627	\$9,627
465 Offices of physicians- dentists- and other health	\$0	\$0	\$125,138	\$125,138
466 Other ambulatory health care services	\$0	\$257	\$41,957	\$42,213
467 Hospitals	\$0	\$0	\$227,168	\$227,168
468 Nursing and residential care facilities	\$0	\$0	\$50,992	\$50,992

469 Child day care services	\$0	\$0	\$20,866	\$20,866
470 Social assistance- except child day care services	\$0	\$141	\$33,520	\$33,660
471 Performing arts companies	\$0	\$5,599	\$2,704	\$8,303
472 Spectator sports	\$0	\$71,477	\$5,203	\$76,680
473 Independent artists- writers- and performers	\$0	\$9,793	\$523	\$10,317
474 Promoters of performing arts and sports and agents	\$0	\$16,516	\$3,469	\$19,984
475 Museums- historical sites- zoos- and parks	\$0	\$0	\$3,325	\$3,325
476 Fitness and recreational sports centers	\$0	\$11,153	\$4,749	\$15,902
477 Bowling centers	\$0	\$0	\$6	\$6
478 Other amusement- gambling- and recreation industri	\$0	\$3,190	\$8,949	\$12,139
479 Hotels and motels- including casino hotels	\$0	\$265,514	\$29,461	\$294,975
480 Other accommodations	\$0	\$743	\$6,067	\$6,809
481 Food services and drinking places	\$0	\$272,177	\$153,755	\$425,932
482 Car washes	\$0	\$7,759	\$1,218	\$8,977
483 Automotive repair and maintenance- except car wash	\$0	\$10,539	\$5,377	\$15,915
484 Electronic equipment repair and maintenance	\$0	\$7,164	\$282	\$7,445
485 Commercial machinery repair and maintenance	\$0	\$19,269	\$355	\$19,624
486 Household goods repair and maintenance	\$0	\$12,294	\$1,744	\$14,038
487 Personal care services	\$0	\$0	\$15,638	\$15,638
488 Death care services	\$0	\$0	\$2,289	\$2,289
489 Drycleaning and laundry services	\$0	\$17,977	\$4,457	\$22,434
490 Other personal services	\$0	\$18,680	\$19,281	\$37,961
491 Religious organizations	\$0	\$0	\$20,168	\$20,168
492 Grantmaking and giving and social advocacy organiz	\$0	\$0	\$10,746	\$10,746
493 Civic- social- professional and similar organizati	\$0	\$67,235	\$19,698	\$86,933
494 Private households	\$0	\$0	\$8,953	\$8,953
495 Federal electric utilities	\$0	\$0	\$0	\$0
496 Other Federal Government enterprises	\$0	\$91,871	\$34,283	\$126,154
497 State and local government passenger transit	\$0	\$41,064	\$7,281	\$48,345
498 State and local government electric utilities	\$0	\$0	\$0	\$0
499 Other State and local government enterprises	\$0	\$220,388	\$39,337	\$259,725
500 Noncomparable imports	\$0	\$0	\$0	\$0
501 Scrap	\$0	\$0	\$0	\$0
502 Used and secondhand goods	\$0	\$0	\$0	\$0
503 State & Local Education	\$0	\$0	\$0	\$0
504 State & Local Non-Education	\$0	\$0	\$0	\$0
505 Federal Military	\$0	\$0	\$0	\$0
506 Federal Non-Military	\$0	\$0	\$0	\$0
507 Rest of the world adjustment to final uses	\$0	\$0	\$0	\$0
508 Inventory valuation adjustment	\$0	\$0	\$0	\$0
509 Owner-occupied dwellings	\$0	\$0	\$430,083	\$430,083
25001 Foreign Trade	\$0	\$0	\$0	\$0
28001 Domestic Trade	\$0	\$0	\$0	\$0
<b>Total</b>	<b>\$35,404,000</b>	<b>\$18,359,241</b>	<b>\$2,591,190</b>	<b>\$56,354,431</b>

Source: MIG; Economics Research Associates, 2008.

Appendix Table 7: Food & Beverage Stores (405) - Employment Impact

Industry	Direct	Indirect	Induced	Total
1 Oilseed farming	0.0	0.0	0.0	0.0
2 Grain farming	0.0	0.0	0.0	0.0
3 Vegetable and melon farming	0.0	0.0	0.0	0.0
4 Tree nut farming	0.0	0.0	0.0	0.0
5 Fruit farming	0.0	0.0	0.0	0.0
6 Greenhouse and nursery production	0.0	0.0	0.0	0.0
7 Tobacco farming	0.0	0.0	0.0	0.0
8 Cotton farming	0.0	0.0	0.0	0.0
9 Sugarcane and sugar beet farming	0.0	0.0	0.0	0.0
10 All other crop farming	0.0	0.0	0.0	0.0
11 Cattle ranching and farming	0.0	0.0	0.0	0.0
12 Poultry and egg production	0.0	0.0	0.0	0.0
13 Animal production- except cattle and poultry and e	0.0	0.0	0.0	0.0
14 Logging	0.0	0.0	0.0	0.0
15 Forest nurseries- forest products- and timber trac	0.0	0.0	0.0	0.0
16 Fishing	0.0	0.0	0.0	0.0
17 Hunting and trapping	0.0	0.0	0.0	0.0
18 Agriculture and forestry support activities	0.0	0.0	0.0	0.0
19 Oil and gas extraction	0.0	0.0	0.0	0.0
20 Coal mining	0.0	0.0	0.0	0.0
21 Iron ore mining	0.0	0.0	0.0	0.0
22 Copper- nickel- lead- and zinc mining	0.0	0.0	0.0	0.0
23 Gold- silver- and other metal ore mining	0.0	0.0	0.0	0.0
24 Stone mining and quarrying	0.0	0.0	0.0	0.0
25 Sand- gravel- clay- and refractory mining	0.0	0.0	0.0	0.0
26 Other nonmetallic mineral mining	0.0	0.0	0.0	0.0
27 Drilling oil and gas wells	0.0	0.0	0.0	0.0
28 Support activities for oil and gas operations	0.0	0.0	0.0	0.0
29 Support activities for other mining	0.0	0.0	0.0	0.0
30 Power generation and supply	0.0	0.9	0.1	0.9
31 Natural gas distribution	0.0	0.1	0.0	0.1
32 Water- sewage and other systems	0.0	0.1	0.0	0.1
33 New residential 1-unit structures- all	0.0	0.0	0.0	0.0
34 New multifamily housing structures- all	0.0	0.0	0.0	0.0
35 New residential additions and alterations- all	0.0	0.0	0.0	0.0
36 New farm housing units	0.0	0.0	0.0	0.0
37 Manufacturing and industrial buildings	0.0	0.0	0.0	0.0
38 Commercial and institutional buildings	0.0	0.0	0.0	0.0
39 Highway- street- bridge- and tunnel construction	0.0	0.0	0.0	0.0
40 Water- sewer- and pipeline construction	0.0	0.0	0.0	0.0
41 Other new construction	0.0	0.0	0.0	0.0
42 Maintenance and repair of farm and nonfarm residen	0.0	0.0	0.0	0.0
43 Maintenance and repair of nonresidential buildings	0.0	0.4	0.0	0.4
44 Maintenance and repair of highways- streets- bridg	0.0	0.0	0.0	0.0
45 Other maintenance and repair construction	0.0	0.0	0.0	0.0
46 Dog and cat food manufacturing	0.0	0.0	0.0	0.0
47 Other animal food manufacturing	0.0	0.0	0.0	0.0
48 Flour milling	0.0	0.0	0.0	0.0
49 Rice milling	0.0	0.0	0.0	0.0
50 Malt manufacturing	0.0	0.0	0.0	0.0
51 Wet corn milling	0.0	0.0	0.0	0.0
52 Soybean processing	0.0	0.0	0.0	0.0
53 Other oilseed processing	0.0	0.0	0.0	0.0
54 Fats and oils refining and blending	0.0	0.0	0.0	0.0
55 Breakfast cereal manufacturing	0.0	0.0	0.0	0.0
56 Sugar manufacturing	0.0	0.0	0.0	0.0
57 Confectionery manufacturing from cacao beans	0.0	0.0	0.0	0.0
58 Confectionery manufacturing from purchased chocola	0.0	0.0	0.0	0.0
59 Nonchocolate confectionery manufacturing	0.0	0.0	0.0	0.0
60 Frozen food manufacturing	0.0	0.0	0.0	0.0

61 Fruit and vegetable canning and drying	0.0	0.0	0.0	0.0
62 Fluid milk manufacturing	0.0	0.0	0.0	0.0
63 Creamery butter manufacturing	0.0	0.0	0.0	0.0
64 Cheese manufacturing	0.0	0.0	0.0	0.0
65 Dry- condensed- and evaporated dairy products	0.0	0.0	0.0	0.0
66 Ice cream and frozen dessert manufacturing	0.0	0.0	0.0	0.0
67 Animal- except poultry- slaughtering	0.0	0.0	0.0	0.0
68 Meat processed from carcasses	0.0	0.0	0.0	0.0
69 Rendering and meat byproduct processing	0.0	0.0	0.0	0.0
70 Poultry processing	0.0	0.0	0.0	0.0
71 Seafood product preparation and packaging	0.0	0.0	0.0	0.0
72 Frozen cakes and other pastries manufacturing	0.0	0.0	0.0	0.0
73 Bread and bakery product- except frozen- manufactu	0.0	0.0	0.0	0.0
74 Cookie and cracker manufacturing	0.0	0.0	0.0	0.0
75 Mixes and dough made from purchased flour	0.0	0.0	0.0	0.0
76 Dry pasta manufacturing	0.0	0.0	0.0	0.0
77 Tortilla manufacturing	0.0	0.0	0.0	0.0
78 Roasted nuts and peanut butter manufacturing	0.0	0.0	0.0	0.0
79 Other snack food manufacturing	0.0	0.0	0.0	0.0
80 Coffee and tea manufacturing	0.0	0.0	0.0	0.0
81 Flavoring syrup and concentrate manufacturing	0.0	0.0	0.0	0.0
82 Mayonnaise- dressing- and sauce manufacturing	0.0	0.0	0.0	0.0
83 Spice and extract manufacturing	0.0	0.0	0.0	0.0
84 All other food manufacturing	0.0	0.0	0.0	0.0
85 Soft drink and ice manufacturing	0.0	0.0	0.0	0.0
86 Breweries	0.0	0.0	0.0	0.0
87 Wineries	0.0	0.0	0.0	0.0
88 Distilleries	0.0	0.0	0.0	0.0
89 Tobacco stemming and redrying	0.0	0.0	0.0	0.0
90 Cigarette manufacturing	0.0	0.0	0.0	0.0
91 Other tobacco product manufacturing	0.0	0.0	0.0	0.0
92 Fiber- yarn- and thread mills	0.0	0.0	0.0	0.0
93 Broadwoven fabric mills	0.0	0.0	0.0	0.0
94 Narrow fabric mills and schiffli embroidery	0.0	0.0	0.0	0.0
95 Nonwoven fabric mills	0.0	0.0	0.0	0.0
96 Knit fabric mills	0.0	0.0	0.0	0.0
97 Textile and fabric finishing mills	0.0	0.0	0.0	0.0
98 Fabric coating mills	0.0	0.0	0.0	0.0
99 Carpet and rug mills	0.0	0.0	0.0	0.0
100 Curtain and linen mills	0.0	0.0	0.0	0.0
101 Textile bag and canvas mills	0.0	0.0	0.0	0.0
102 Tire cord and tire fabric mills	0.0	0.0	0.0	0.0
103 Other miscellaneous textile product mills	0.0	0.0	0.0	0.0
104 Sheer hosiery mills	0.0	0.0	0.0	0.0
105 Other hosiery and sock mills	0.0	0.0	0.0	0.0
106 Other apparel knitting mills	0.0	0.0	0.0	0.0
107 Cut and sew apparel manufacturing	0.0	0.0	0.0	0.0
108 Accessories and other apparel manufacturing	0.0	0.0	0.0	0.0
109 Leather and hide tanning and finishing	0.0	0.0	0.0	0.0
110 Footwear manufacturing	0.0	0.0	0.0	0.0
111 Other leather product manufacturing	0.0	0.0	0.0	0.0
112 Sawmills	0.0	0.0	0.0	0.0
113 Wood preservation	0.0	0.0	0.0	0.0
114 Reconstituted wood product manufacturing	0.0	0.0	0.0	0.0
115 Veneer and plywood manufacturing	0.0	0.0	0.0	0.0
116 Engineered wood member and truss manufacturing	0.0	0.0	0.0	0.0
117 Wood windows and door manufacturing	0.0	0.0	0.0	0.0
118 Cut stock- resawing lumber- and planing	0.0	0.0	0.0	0.0
119 Other millwork- including flooring	0.0	0.0	0.0	0.0
120 Wood container and pallet manufacturing	0.0	0.0	0.0	0.0
121 Manufactured home- mobile home- manufacturing	0.0	0.0	0.0	0.0
122 Prefabricated wood building manufacturing	0.0	0.0	0.0	0.0
123 Miscellaneous wood product manufacturing	0.0	0.0	0.0	0.0
124 Pulp mills	0.0	0.0	0.0	0.0
125 Paper and paperboard mills	0.0	0.0	0.0	0.0
126 Paperboard container manufacturing	0.0	0.0	0.0	0.0
127 Flexible packaging foil manufacturing	0.0	0.0	0.0	0.0
128 Surface-coated paperboard manufacturing	0.0	0.0	0.0	0.0

129 Coated and laminated paper and packaging materials	0.0	0.0	0.0	0.0
130 Coated and uncoated paper bag manufacturing	0.0	0.0	0.0	0.0
131 Die-cut paper office supplies manufacturing	0.0	0.0	0.0	0.0
132 Envelope manufacturing	0.0	0.0	0.0	0.0
133 Stationery and related product manufacturing	0.0	0.0	0.0	0.0
134 Sanitary paper product manufacturing	0.0	0.0	0.0	0.0
135 All other converted paper product manufacturing	0.0	0.0	0.0	0.0
136 Manifold business forms printing	0.0	0.0	0.0	0.0
137 Books printing	0.0	0.0	0.0	0.0
138 Blankbook and looseleaf binder manufacturing	0.0	0.0	0.0	0.0
139 Commercial printing	0.0	0.2	0.0	0.2
140 Tradebinding and related work	0.0	0.0	0.0	0.0
141 Prepress services	0.0	0.0	0.0	0.0
142 Petroleum refineries	0.0	0.0	0.0	0.0
143 Asphalt paving mixture and block manufacturing	0.0	0.0	0.0	0.0
144 Asphalt shingle and coating materials manufacturin	0.0	0.0	0.0	0.0
145 Petroleum lubricating oil and grease manufacturing	0.0	0.0	0.0	0.0
146 All other petroleum and coal products manufacturin	0.0	0.0	0.0	0.0
147 Petrochemical manufacturing	0.0	0.0	0.0	0.0
148 Industrial gas manufacturing	0.0	0.0	0.0	0.0
149 Synthetic dye and pigment manufacturing	0.0	0.0	0.0	0.0
150 Other basic inorganic chemical manufacturing	0.0	0.0	0.0	0.0
151 Other basic organic chemical manufacturing	0.0	0.0	0.0	0.0
152 Plastics material and resin manufacturing	0.0	0.0	0.0	0.0
153 Synthetic rubber manufacturing	0.0	0.0	0.0	0.0
154 Cellulosic organic fiber manufacturing	0.0	0.0	0.0	0.0
155 Noncellulosic organic fiber manufacturing	0.0	0.0	0.0	0.0
156 Nitrogenous fertilizer manufacturing	0.0	0.0	0.0	0.0
157 Phosphatic fertilizer manufacturing	0.0	0.0	0.0	0.0
158 Fertilizer- mixing only- manufacturing	0.0	0.0	0.0	0.0
159 Pesticide and other agricultural chemical manufact	0.0	0.0	0.0	0.0
160 Pharmaceutical and medicine manufacturing	0.0	0.0	0.0	0.0
161 Paint and coating manufacturing	0.0	0.0	0.0	0.0
162 Adhesive manufacturing	0.0	0.0	0.0	0.0
163 Soap and other detergent manufacturing	0.0	0.0	0.0	0.0
164 Polish and other sanitation good manufacturing	0.0	0.0	0.0	0.0
165 Surface active agent manufacturing	0.0	0.0	0.0	0.0
166 Toilet preparation manufacturing	0.0	0.0	0.0	0.0
167 Printing ink manufacturing	0.0	0.0	0.0	0.0
168 Explosives manufacturing	0.0	0.0	0.0	0.0
169 Custom compounding of purchased resins	0.0	0.0	0.0	0.0
170 Photographic film and chemical manufacturing	0.0	0.0	0.0	0.0
171 Other miscellaneous chemical product manufacturing	0.0	0.0	0.0	0.0
172 Plastics packaging materials- film and sheet	0.0	0.0	0.0	0.0
173 Plastics pipe- fittings- and profile shapes	0.0	0.0	0.0	0.0
174 Laminated plastics plate- sheet- and shapes	0.0	0.0	0.0	0.0
175 Plastics bottle manufacturing	0.0	0.0	0.0	0.0
176 Resilient floor covering manufacturing	0.0	0.0	0.0	0.0
177 Plastics plumbing fixtures and all other plastics	0.0	0.0	0.0	0.0
178 Foam product manufacturing	0.0	0.0	0.0	0.0
179 Tire manufacturing	0.0	0.0	0.0	0.0
180 Rubber and plastics hose and belting manufacturing	0.0	0.0	0.0	0.0
181 Other rubber product manufacturing	0.0	0.0	0.0	0.0
182 Vitreous china plumbing fixture manufacturing	0.0	0.0	0.0	0.0
183 Vitreous china and earthenware articles manufactur	0.0	0.0	0.0	0.0
184 Porcelain electrical supply manufacturing	0.0	0.0	0.0	0.0
185 Brick and structural clay tile manufacturing	0.0	0.0	0.0	0.0
186 Ceramic wall and floor tile manufacturing	0.0	0.0	0.0	0.0
187 Nonclay refractory manufacturing	0.0	0.0	0.0	0.0
188 Clay refractory and other structural clay products	0.0	0.0	0.0	0.0
189 Glass container manufacturing	0.0	0.0	0.0	0.0
190 Glass and glass products- except glass containers	0.0	0.0	0.0	0.0
191 Cement manufacturing	0.0	0.0	0.0	0.0
192 Ready-mix concrete manufacturing	0.0	0.0	0.0	0.0
193 Concrete block and brick manufacturing	0.0	0.0	0.0	0.0
194 Concrete pipe manufacturing	0.0	0.0	0.0	0.0
195 Other concrete product manufacturing	0.0	0.0	0.0	0.0
196 Lime manufacturing	0.0	0.0	0.0	0.0

197 Gypsum product manufacturing	0.0	0.0	0.0	0.0
198 Abrasive product manufacturing	0.0	0.0	0.0	0.0
199 Cut stone and stone product manufacturing	0.0	0.0	0.0	0.0
200 Ground or treated minerals and earths manufacturin	0.0	0.0	0.0	0.0
201 Mineral wool manufacturing	0.0	0.0	0.0	0.0
202 Miscellaneous nonmetallic mineral products	0.0	0.0	0.0	0.0
203 Iron and steel mills	0.0	0.0	0.0	0.0
204 Ferroalloy and related product manufacturing	0.0	0.0	0.0	0.0
205 Iron- steel pipe and tube from purchased steel	0.0	0.0	0.0	0.0
206 Rolled steel shape manufacturing	0.0	0.0	0.0	0.0
207 Steel wire drawing	0.0	0.0	0.0	0.0
208 Alumina refining	0.0	0.0	0.0	0.0
209 Primary aluminum production	0.0	0.0	0.0	0.0
210 Secondary smelting and alloying of aluminum	0.0	0.0	0.0	0.0
211 Aluminum sheet- plate- and foil manufacturing	0.0	0.0	0.0	0.0
212 Aluminum extruded product manufacturing	0.0	0.0	0.0	0.0
213 Other aluminum rolling and drawing	0.0	0.0	0.0	0.0
214 Primary smelting and refining of copper	0.0	0.0	0.0	0.0
215 Primary nonferrous metal- except copper and alumin	0.0	0.0	0.0	0.0
216 Copper rolling- drawing- and extruding	0.0	0.0	0.0	0.0
217 Copper wire- except mechanical- drawing	0.0	0.0	0.0	0.0
218 Secondary processing of copper	0.0	0.0	0.0	0.0
219 Nonferrous metal- except copper and aluminum- shap	0.0	0.0	0.0	0.0
220 Secondary processing of other nonferrous	0.0	0.0	0.0	0.0
221 Ferrous metal foundries	0.0	0.0	0.0	0.0
222 Aluminum foundries	0.0	0.0	0.0	0.0
223 Nonferrous foundries- except aluminum	0.0	0.0	0.0	0.0
224 Iron and steel forging	0.0	0.0	0.0	0.0
225 Nonferrous forging	0.0	0.0	0.0	0.0
226 Custom roll forming	0.0	0.0	0.0	0.0
227 All other forging and stamping	0.0	0.0	0.0	0.0
228 Cutlery and flatware- except precious- manufacturi	0.0	0.0	0.0	0.0
229 Hand and edge tool manufacturing	0.0	0.0	0.0	0.0
230 Saw blade and handsaw manufacturing	0.0	0.0	0.0	0.0
231 Kitchen utensil- pot- and pan manufacturing	0.0	0.0	0.0	0.0
232 Prefabricated metal buildings and components	0.0	0.0	0.0	0.0
233 Fabricated structural metal manufacturing	0.0	0.0	0.0	0.0
234 Plate work manufacturing	0.0	0.0	0.0	0.0
235 Metal window and door manufacturing	0.0	0.0	0.0	0.0
236 Sheet metal work manufacturing	0.0	0.0	0.0	0.0
237 Ornamental and architectural metal work manufactur	0.0	0.0	0.0	0.0
238 Power boiler and heat exchanger manufacturing	0.0	0.0	0.0	0.0
239 Metal tank- heavy gauge- manufacturing	0.0	0.0	0.0	0.0
240 Metal can- box- and other container manufacturing	0.0	0.0	0.0	0.0
241 Hardware manufacturing	0.0	0.0	0.0	0.0
242 Spring and wire product manufacturing	0.0	0.0	0.0	0.0
243 Machine shops	0.0	0.0	0.0	0.0
244 Turned product and screw- nut- and bolt manufactur	0.0	0.0	0.0	0.0
245 Metal heat treating	0.0	0.0	0.0	0.0
246 Metal coating and nonprecious engraving	0.0	0.0	0.0	0.0
247 Electroplating- anodizing- and coloring metal	0.0	0.0	0.0	0.0
248 Metal valve manufacturing	0.0	0.0	0.0	0.0
249 Ball and roller bearing manufacturing	0.0	0.0	0.0	0.0
250 Small arms manufacturing	0.0	0.0	0.0	0.0
251 Other ordnance and accessories manufacturing	0.0	0.0	0.0	0.0
252 Fabricated pipe and pipe fitting manufacturing	0.0	0.0	0.0	0.0
253 Industrial pattern manufacturing	0.0	0.0	0.0	0.0
254 Enameled iron and metal sanitary ware manufacturin	0.0	0.0	0.0	0.0
255 Miscellaneous fabricated metal product manufacturi	0.0	0.0	0.0	0.0
256 Ammunition manufacturing	0.0	0.0	0.0	0.0
257 Farm machinery and equipment manufacturing	0.0	0.0	0.0	0.0
258 Lawn and garden equipment manufacturing	0.0	0.0	0.0	0.0
259 Construction machinery manufacturing	0.0	0.0	0.0	0.0
260 Mining machinery and equipment manufacturing	0.0	0.0	0.0	0.0
261 Oil and gas field machinery and equipment	0.0	0.0	0.0	0.0
262 Sawmill and woodworking machinery	0.0	0.0	0.0	0.0
263 Plastics and rubber industry machinery	0.0	0.0	0.0	0.0
264 Paper industry machinery manufacturing	0.0	0.0	0.0	0.0

265 Textile machinery manufacturing	0.0	0.0	0.0	0.0
266 Printing machinery and equipment manufacturing	0.0	0.0	0.0	0.0
267 Food product machinery manufacturing	0.0	0.0	0.0	0.0
268 Semiconductor machinery manufacturing	0.0	0.0	0.0	0.0
269 All other industrial machinery manufacturing	0.0	0.0	0.0	0.0
270 Office machinery manufacturing	0.0	0.0	0.0	0.0
271 Optical instrument and lens manufacturing	0.0	0.0	0.0	0.0
272 Photographic and photocopying equipment manufactur	0.0	0.0	0.0	0.0
273 Other commercial and service industry machinery ma	0.0	0.0	0.0	0.0
274 Automatic vending- commercial laundry and dryclean	0.0	0.0	0.0	0.0
275 Air purification equipment manufacturing	0.0	0.0	0.0	0.0
276 Industrial and commercial fan and blower manufactu	0.0	0.0	0.0	0.0
277 Heating equipment- except warm air furnaces	0.0	0.0	0.0	0.0
278 AC- refrigeration- and forced air heating	0.0	0.0	0.0	0.0
279 Industrial mold manufacturing	0.0	0.0	0.0	0.0
280 Metal cutting machine tool manufacturing	0.0	0.0	0.0	0.0
281 Metal forming machine tool manufacturing	0.0	0.0	0.0	0.0
282 Special tool- die- jig- and fixture manufacturing	0.0	0.0	0.0	0.0
283 Cutting tool and machine tool accessory manufactur	0.0	0.0	0.0	0.0
284 Rolling mill and other metalworking machinery	0.0	0.0	0.0	0.0
285 Turbine and turbine generator set units manufactur	0.0	0.0	0.0	0.0
286 Other engine equipment manufacturing	0.0	0.0	0.0	0.0
287 Speed changers and mechanical power transmission e	0.0	0.0	0.0	0.0
288 Pump and pumping equipment manufacturing	0.0	0.0	0.0	0.0
289 Air and gas compressor manufacturing	0.0	0.0	0.0	0.0
290 Measuring and dispensing pump manufacturing	0.0	0.0	0.0	0.0
291 Elevator and moving stairway manufacturing	0.0	0.0	0.0	0.0
292 Conveyor and conveying equipment manufacturing	0.0	0.0	0.0	0.0
293 Overhead cranes- hoists- and monorail systems	0.0	0.0	0.0	0.0
294 Industrial truck- trailer- and stacker manufacturi	0.0	0.0	0.0	0.0
295 Power-driven handtool manufacturing	0.0	0.0	0.0	0.0
296 Welding and soldering equipment manufacturing	0.0	0.0	0.0	0.0
297 Packaging machinery manufacturing	0.0	0.0	0.0	0.0
298 Industrial process furnace and oven manufacturing	0.0	0.0	0.0	0.0
299 Fluid power cylinder and actuator manufacturing	0.0	0.0	0.0	0.0
300 Fluid power pump and motor manufacturing	0.0	0.0	0.0	0.0
301 Scales- balances- and miscellaneous general purpos	0.0	0.0	0.0	0.0
302 Electronic computer manufacturing	0.0	0.0	0.0	0.0
303 Computer storage device manufacturing	0.0	0.0	0.0	0.0
304 Computer terminal manufacturing	0.0	0.0	0.0	0.0
305 Other computer peripheral equipment manufacturing	0.0	0.0	0.0	0.0
306 Telephone apparatus manufacturing	0.0	0.0	0.0	0.0
307 Broadcast and wireless communications equipment	0.0	0.0	0.0	0.0
308 Other communications equipment manufacturing	0.0	0.0	0.0	0.0
309 Audio and video equipment manufacturing	0.0	0.0	0.0	0.0
310 Electron tube manufacturing	0.0	0.0	0.0	0.0
311 Semiconductors and related device manufacturing	0.0	0.0	0.0	0.0
312 All other electronic component manufacturing	0.0	0.0	0.0	0.0
313 Electromedical apparatus manufacturing	0.0	0.0	0.0	0.0
314 Search- detection- and navigation instruments	0.0	0.0	0.0	0.0
315 Automatic environmental control manufacturing	0.0	0.0	0.0	0.0
316 Industrial process variable instruments	0.0	0.0	0.0	0.0
317 Totalizing fluid meters and counting devices	0.0	0.0	0.0	0.0
318 Electricity and signal testing instruments	0.0	0.0	0.0	0.0
319 Analytical laboratory instrument manufacturing	0.0	0.0	0.0	0.0
320 Irradiation apparatus manufacturing	0.0	0.0	0.0	0.0
321 Watch- clock- and other measuring and controlling	0.0	0.0	0.0	0.0
322 Software reproducing	0.0	0.0	0.0	0.0
323 Audio and video media reproduction	0.0	0.0	0.0	0.0
324 Magnetic and optical recording media manufacturing	0.0	0.0	0.0	0.0
325 Electric lamp bulb and part manufacturing	0.0	0.0	0.0	0.0
326 Lighting fixture manufacturing	0.0	0.0	0.0	0.0
327 Electric housewares and household fan manufacturin	0.0	0.0	0.0	0.0
328 Household vacuum cleaner manufacturing	0.0	0.0	0.0	0.0
329 Household cooking appliance manufacturing	0.0	0.0	0.0	0.0
330 Household refrigerator and home freezer manufactur	0.0	0.0	0.0	0.0
331 Household laundry equipment manufacturing	0.0	0.0	0.0	0.0
332 Other major household appliance manufacturing	0.0	0.0	0.0	0.0

333 Electric power and specialty transformer manufactu	0.0	0.0	0.0	0.0
334 Motor and generator manufacturing	0.0	0.0	0.0	0.0
335 Switchgear and switchboard apparatus manufacturing	0.0	0.0	0.0	0.0
336 Relay and industrial control manufacturing	0.0	0.0	0.0	0.0
337 Storage battery manufacturing	0.0	0.0	0.0	0.0
338 Primary battery manufacturing	0.0	0.0	0.0	0.0
339 Fiber optic cable manufacturing	0.0	0.0	0.0	0.0
340 Other communication and energy wire manufacturing	0.0	0.0	0.0	0.0
341 Wiring device manufacturing	0.0	0.0	0.0	0.0
342 Carbon and graphite product manufacturing	0.0	0.0	0.0	0.0
343 Miscellaneous electrical equipment manufacturing	0.0	0.0	0.0	0.0
344 Automobile and light truck manufacturing	0.0	0.0	0.0	0.0
345 Heavy duty truck manufacturing	0.0	0.0	0.0	0.0
346 Motor vehicle body manufacturing	0.0	0.0	0.0	0.0
347 Truck trailer manufacturing	0.0	0.0	0.0	0.0
348 Motor home manufacturing	0.0	0.0	0.0	0.0
349 Travel trailer and camper manufacturing	0.0	0.0	0.0	0.0
350 Motor vehicle parts manufacturing	0.0	0.0	0.0	0.0
351 Aircraft manufacturing	0.0	0.0	0.0	0.0
352 Aircraft engine and engine parts manufacturing	0.0	0.0	0.0	0.0
353 Other aircraft parts and equipment	0.0	0.0	0.0	0.0
354 Guided missile and space vehicle manufacturing	0.0	0.0	0.0	0.0
355 Propulsion units and parts for space vehicles and	0.0	0.0	0.0	0.0
356 Railroad rolling stock manufacturing	0.0	0.0	0.0	0.0
357 Ship building and repairing	0.0	0.0	0.0	0.0
358 Boat building	0.0	0.0	0.0	0.0
359 Motorcycle- bicycle- and parts manufacturing	0.0	0.0	0.0	0.0
360 Military armored vehicles and tank parts manufactu	0.0	0.0	0.0	0.0
361 All other transportation equipment manufacturing	0.0	0.0	0.0	0.0
362 Wood kitchen cabinet and countertop manufacturing	0.0	0.1	0.0	0.1
363 Upholstered household furniture manufacturing	0.0	0.0	0.0	0.0
364 Nonupholstered wood household furniture manufactur	0.0	0.0	0.0	0.0
365 Metal household furniture manufacturing	0.0	0.0	0.0	0.0
366 Institutional furniture manufacturing	0.0	0.0	0.0	0.0
367 Other household and institutional furniture	0.0	0.0	0.0	0.0
368 Wood office furniture manufacturing	0.0	0.0	0.0	0.0
369 Custom architectural woodwork and millwork	0.0	0.0	0.0	0.0
370 Office furniture- except wood- manufacturing	0.0	0.0	0.0	0.0
371 Showcases- partitions- shelving- and lockers	0.0	0.0	0.0	0.0
372 Mattress manufacturing	0.0	0.0	0.0	0.0
373 Blind and shade manufacturing	0.0	0.0	0.0	0.0
374 Laboratory apparatus and furniture manufacturing	0.0	0.0	0.0	0.0
375 Surgical and medical instrument manufacturing	0.0	0.0	0.0	0.0
376 Surgical appliance and supplies manufacturing	0.0	0.0	0.0	0.0
377 Dental equipment and supplies manufacturing	0.0	0.0	0.0	0.0
378 Ophthalmic goods manufacturing	0.0	0.0	0.0	0.0
379 Dental laboratories	0.0	0.0	0.0	0.0
380 Jewelry and silverware manufacturing	0.0	0.0	0.0	0.0
381 Pipeline transportation	0.0	0.0	0.0	0.0
382 Doll- toy- and game manufacturing	0.0	0.0	0.0	0.0
383 Office supplies- except paper- manufacturing	0.0	0.0	0.0	0.0
384 Sign manufacturing	0.0	0.0	0.0	0.0
385 Gasket- packing- and sealing device manufacturing	0.0	0.0	0.0	0.0
386 Musical instrument manufacturing	0.0	0.0	0.0	0.0
387 Broom- brush- and mop manufacturing	0.0	0.0	0.0	0.0
388 Burial casket manufacturing	0.0	0.0	0.0	0.0
389 Buttons- pins- and all other miscellaneous manufac	0.0	0.0	0.0	0.0
390 Wholesale trade	0.0	0.8	0.3	1.1
391 Air transportation	0.0	0.0	0.0	0.0
392 Rail transportation	0.0	0.1	0.0	0.1
393 Water transportation	0.0	0.0	0.0	0.0
394 Truck transportation	0.0	0.1	0.0	0.1
395 Transit and ground passenger transportation	0.0	0.3	0.0	0.3
396 Pipeline transportation	0.0	0.0	0.0	0.0
397 Scenic and sightseeing transportation and support	0.0	0.1	0.0	0.1
398 Postal service	0.0	2.8	0.1	2.9
399 Couriers and messengers	0.0	2.3	0.0	2.3
400 Warehousing and storage	0.0	1.3	0.0	1.3

401 Motor vehicle and parts dealers	0.0	0.1	0.1	0.1
402 Furniture and home furnishings stores	0.0	0.2	0.1	0.3
403 Electronics and appliance stores	0.0	0.0	0.0	0.0
404 Building material and garden supply stores	0.0	0.2	0.1	0.3
405 Food and beverage stores	225.0	0.6	0.4	225.9
406 Health and personal care stores	0.0	0.5	0.3	0.8
407 Gasoline stations	0.0	0.1	0.1	0.2
408 Clothing and clothing accessories stores	0.0	0.4	0.3	0.8
409 Sporting goods- hobby- book and music stores	0.0	0.3	0.2	0.5
410 General merchandise stores	0.0	0.2	0.1	0.3
411 Miscellaneous store retailers	0.0	0.3	0.2	0.6
412 Nonstore retailers	0.0	0.3	0.2	0.5
413 Newspaper publishers	0.0	1.6	0.0	1.6
414 Periodical publishers	0.0	0.9	0.0	0.9
415 Book publishers	0.0	0.0	0.0	0.0
416 Database- directory- and other publishers	0.0	0.1	0.0	0.1
417 Software publishers	0.0	0.0	0.0	0.0
418 Motion picture and video industries	0.0	0.3	0.0	0.4
419 Sound recording industries	0.0	0.0	0.0	0.0
420 Radio and television broadcasting	0.0	2.1	0.0	2.1
421 Cable networks and program distribution	0.0	0.0	0.0	0.1
422 Telecommunications	0.0	1.0	0.1	1.1
423 Information services	0.0	0.2	0.0	0.2
424 Data processing services	0.0	0.3	0.0	0.3
425 Nondepository credit intermediation and related a	0.0	2.2	0.1	2.3
426 Securities- commodity contracts- investments	0.0	1.0	0.3	1.2
427 Insurance carriers	0.0	0.4	0.2	0.7
428 Insurance agencies- brokerages- and related	0.0	0.1	0.1	0.2
429 Funds- trusts- and other financial vehicles	0.0	0.0	0.1	0.1
430 Monetary authorities and depository credit interme	0.0	1.4	0.3	1.7
431 Real estate	0.0	8.7	0.4	9.1
432 Automotive equipment rental and leasing	0.0	0.0	0.0	0.0
433 Video tape and disc rental	0.0	0.0	0.0	0.0
434 Machinery and equipment rental and leasing	0.0	0.4	0.0	0.4
435 General and consumer goods rental except video tap	0.0	0.2	0.0	0.2
436 Lessors of nonfinancial intangible assets	0.0	0.0	0.0	0.0
437 Legal services	0.0	1.4	0.2	1.6
438 Accounting and bookkeeping services	0.0	2.9	0.1	3.0
439 Architectural and engineering services	0.0	0.6	0.0	0.7
440 Specialized design services	0.0	0.6	0.0	0.6
441 Custom computer programming services	0.0	0.0	0.0	0.0
442 Computer systems design services	0.0	1.1	0.0	1.2
443 Other computer related services- including facilit	0.0	0.1	0.0	0.1
444 Management consulting services	0.0	2.9	0.1	2.9
445 Environmental and other technical consulting servi	0.0	0.2	0.0	0.2
446 Scientific research and development services	0.0	0.2	0.0	0.2
447 Advertising and related services	0.0	4.1	0.0	4.2
448 Photographic services	0.0	0.0	0.0	0.0
449 Veterinary services	0.0	0.0	0.0	0.0
450 All other miscellaneous professional and technical	0.0	0.1	0.0	0.1
451 Management of companies and enterprises	0.0	8.4	0.1	8.5
452 Office administrative services	0.0	1.2	0.0	1.3
453 Facilities support services	0.0	0.1	0.0	0.1
454 Employment services	0.0	8.1	0.2	8.3
455 Business support services	0.0	1.7	0.1	1.7
456 Travel arrangement and reservation services	0.0	0.1	0.0	0.1
457 Investigation and security services	0.0	1.4	0.0	1.5
458 Services to buildings and dwellings	0.0	6.9	0.3	7.2
459 Other support services	0.0	0.5	0.0	0.5
460 Waste management and remediation services	0.0	0.2	0.0	0.2
461 Elementary and secondary schools	0.0	0.0	0.3	0.3
462 Colleges- universities- and junior colleges	0.0	0.6	0.7	1.2
463 Other educational services	0.0	0.1	0.2	0.3
464 Home health care services	0.0	0.0	0.2	0.2
465 Offices of physicians- dentists- and other health	0.0	0.0	1.0	1.0
466 Other ambulatory health care services	0.0	0.0	0.2	0.2
467 Hospitals	0.0	0.0	1.7	1.7
468 Nursing and residential care facilities	0.0	0.0	0.9	0.9

469 Child day care services	0.0	0.0	0.3	0.3
470 Social assistance- except child day care services	0.0	0.0	0.6	0.6
471 Performing arts companies	0.0	0.2	0.1	0.3
472 Spectator sports	0.0	0.4	0.0	0.4
473 Independent artists- writers- and performers	0.0	0.1	0.0	0.1
474 Promoters of performing arts and sports and agents	0.0	0.4	0.1	0.4
475 Museums- historical sites- zoos- and parks	0.0	0.0	0.0	0.0
476 Fitness and recreational sports centers	0.0	0.3	0.1	0.4
477 Bowling centers	0.0	0.0	0.0	0.0
478 Other amusement- gambling- and recreation industri	0.0	0.0	0.1	0.1
479 Hotels and motels- including casino hotels	0.0	2.0	0.2	2.3
480 Other accommodations	0.0	0.0	0.0	0.0
481 Food services and drinking places	0.0	4.1	2.3	6.5
482 Car washes	0.0	0.1	0.0	0.2
483 Automotive repair and maintenance- except car wash	0.0	0.1	0.1	0.2
484 Electronic equipment repair and maintenance	0.0	0.0	0.0	0.0
485 Commercial machinery repair and maintenance	0.0	0.1	0.0	0.1
486 Household goods repair and maintenance	0.0	0.1	0.0	0.1
487 Personal care services	0.0	0.0	0.2	0.2
488 Death care services	0.0	0.0	0.0	0.0
489 Drycleaning and laundry services	0.0	0.4	0.1	0.5
490 Other personal services	0.0	0.1	0.1	0.2
491 Religious organizations	0.0	0.0	0.1	0.1
492 Grantmaking and giving and social advocacy organiz	0.0	0.0	0.2	0.2
493 Civic- social- professional and similar organizati	0.0	0.7	0.2	1.0
494 Private households	0.0	0.0	0.6	0.6
495 Federal electric utilities	0.0	0.0	0.0	0.0
496 Other Federal Government enterprises	0.0	3.3	1.2	4.5
497 State and local government passenger transit	0.0	0.5	0.1	0.6
498 State and local government electric utilities	0.0	0.0	0.0	0.0
499 Other State and local government enterprises	0.0	0.8	0.1	0.9
500 Noncomparable imports	0.0	0.0	0.0	0.0
501 Scrap	0.0	0.0	0.0	0.0
502 Used and secondhand goods	0.0	0.0	0.0	0.0
503 State & Local Education	0.0	0.0	0.0	0.0
504 State & Local Non-Education	0.0	0.0	0.0	0.0
505 Federal Military	0.0	0.0	0.0	0.0
506 Federal Non-Military	0.0	0.0	0.0	0.0
507 Rest of the world adjustment to final uses	0.0	0.0	0.0	0.0
508 Inventory valuation adjustment	0.0	0.0	0.0	0.0
509 Owner-occupied dwellings	0.0	0.0	0.0	0.0
25001 Foreign Trade	0.0	0.0	0.0	0.0
28001 Foreign Trade	0.0	0.0	0.0	0.0
<b>Total</b>	<b>225.0</b>	<b>91.4</b>	<b>17.8</b>	<b>334.2</b>

Source: MIG; Economics Research Associates, 2008.

Appendix Table 8: Food &amp; Beverage Stores (405) - Labor Income Impact

Industry	Direct	Indirect	Induced	Total
1 Oilseed farming	\$0	\$0	\$0	\$0
2 Grain farming	\$0	\$0	\$0	\$0
3 Vegetable and melon farming	\$0	\$0	\$0	\$0
4 Tree nut farming	\$0	\$0	\$0	\$0
5 Fruit farming	\$0	\$0	\$0	\$0
6 Greenhouse and nursery production	\$0	\$0	\$0	\$0
7 Tobacco farming	\$0	\$0	\$0	\$0
8 Cotton farming	\$0	\$0	\$0	\$0
9 Sugarcane and sugar beet farming	\$0	\$0	\$0	\$0
10 All other crop farming	\$0	\$0	\$0	\$0
11 Cattle ranching and farming	\$0	\$0	\$0	\$0
12 Poultry and egg production	\$0	\$0	\$0	\$0
13 Animal production- except cattle and poultry and e	\$0	\$0	\$0	\$0
14 Logging	\$0	\$1	\$0	\$1
15 Forest nurseries- forest products- and timber trac	\$0	\$0	\$0	\$0
16 Fishing	\$0	\$0	\$0	\$0
17 Hunting and trapping	\$0	\$0	\$2	\$2
18 Agriculture and forestry support activities	\$0	\$0	\$0	\$0
19 Oil and gas extraction	\$0	\$0	\$0	\$0
20 Coal mining	\$0	\$0	\$0	\$0
21 Iron ore mining	\$0	\$0	\$0	\$0
22 Copper- nickel- lead- and zinc mining	\$0	\$0	\$0	\$0
23 Gold- silver- and other metal ore mining	\$0	\$0	\$0	\$0
24 Stone mining and quarrying	\$0	\$0	\$0	\$0
25 Sand- gravel- clay- and refractory mining	\$0	\$0	\$0	\$0
26 Other nonmetallic mineral mining	\$0	\$0	\$0	\$0
27 Drilling oil and gas wells	\$0	\$0	\$0	\$0
28 Support activities for oil and gas operations	\$0	\$0	\$0	\$0
29 Support activities for other mining	\$0	\$0	\$0	\$0
30 Power generation and supply	\$0	\$105,472	\$8,468	\$113,940
31 Natural gas distribution	\$0	\$8,427	\$1,635	\$10,062
32 Water- sewage and other systems	\$0	\$11,702	\$2,392	\$14,094
33 New residential 1-unit structures- all	\$0	\$0	\$0	\$0
34 New multifamily housing structures- all	\$0	\$0	\$0	\$0
35 New residential additions and alterations- all	\$0	\$0	\$0	\$0
36 New farm housing units	\$0	\$0	\$0	\$0
37 Manufacturing and industrial buildings	\$0	\$0	\$0	\$0
38 Commercial and institutional buildings	\$0	\$0	\$0	\$0
39 Highway- street- bridge- and tunnel construction	\$0	\$0	\$0	\$0
40 Water- sewer- and pipeline construction	\$0	\$0	\$0	\$0
41 Other new construction	\$0	\$0	\$0	\$0
42 Maintenance and repair of farm and nonfarm residen	\$0	\$1,923	\$569	\$2,492
43 Maintenance and repair of nonresidential buildings	\$0	\$23,530	\$653	\$24,182
44 Maintenance and repair of highways- streets- bridg	\$0	\$0	\$0	\$0
45 Other maintenance and repair construction	\$0	\$579	\$33	\$611
46 Dog and cat food manufacturing	\$0	\$0	\$0	\$0
47 Other animal food manufacturing	\$0	\$0	\$0	\$0
48 Flour milling	\$0	\$0	\$0	\$0
49 Rice milling	\$0	\$0	\$0	\$0
50 Malt manufacturing	\$0	\$0	\$0	\$0
51 Wet corn milling	\$0	\$0	\$0	\$0
52 Soybean processing	\$0	\$0	\$0	\$0
53 Other oilseed processing	\$0	\$0	\$0	\$0
54 Fats and oils refining and blending	\$0	\$0	\$0	\$0
55 Breakfast cereal manufacturing	\$0	\$0	\$0	\$0
56 Sugar manufacturing	\$0	\$0	\$0	\$0
57 Confectionery manufacturing from cacao beans	\$0	\$0	\$0	\$0
58 Confectionery manufacturing from purchased chocola	\$0	\$1	\$13	\$14
59 Nonchocolate confectionery manufacturing	\$0	\$0	\$0	\$0
60 Frozen food manufacturing	\$0	\$0	\$0	\$1
61 Fruit and vegetable canning and drying	\$0	\$0	\$0	\$0
62 Fluid milk manufacturing	\$0	\$0	\$0	\$0

63 Creamery butter manufacturing	\$0	\$0	\$0	\$0
64 Cheese manufacturing	\$0	\$0	\$0	\$0
65 Dry- condensed- and evaporated dairy products	\$0	\$0	\$0	\$0
66 Ice cream and frozen dessert manufacturing	\$0	\$0	\$0	\$0
67 Animal- except poultry- slaughtering	\$0	\$0	\$0	\$0
68 Meat processed from carcasses	\$0	\$0	\$0	\$0
69 Rendering and meat byproduct processing	\$0	\$0	\$0	\$0
70 Poultry processing	\$0	\$0	\$0	\$0
71 Seafood product preparation and packaging	\$0	\$0	\$0	\$0
72 Frozen cakes and other pastries manufacturing	\$0	\$0	\$0	\$0
73 Bread and bakery product- except frozen- manufactu	\$0	\$455	\$1,062	\$1,516
74 Cookie and cracker manufacturing	\$0	\$0	\$0	\$0
75 Mixes and dough made from purchased flour	\$0	\$0	\$0	\$0
76 Dry pasta manufacturing	\$0	\$0	\$0	\$0
77 Tortilla manufacturing	\$0	\$0	\$0	\$0
78 Roasted nuts and peanut butter manufacturing	\$0	\$0	\$0	\$0
79 Other snack food manufacturing	\$0	\$0	\$0	\$0
80 Coffee and tea manufacturing	\$0	\$0	\$0	\$0
81 Flavoring syrup and concentrate manufacturing	\$0	\$0	\$0	\$0
82 Mayonnaise- dressing- and sauce manufacturing	\$0	\$0	\$0	\$0
83 Spice and extract manufacturing	\$0	\$0	\$0	\$0
84 All other food manufacturing	\$0	\$4	\$62	\$67
85 Soft drink and ice manufacturing	\$0	\$0	\$0	\$0
86 Breweries	\$0	\$1	\$2	\$3
87 Wineries	\$0	\$0	\$0	\$0
88 Distilleries	\$0	\$0	\$0	\$0
89 Tobacco stemming and redrying	\$0	\$0	\$0	\$0
90 Cigarette manufacturing	\$0	\$0	\$8	\$8
91 Other tobacco product manufacturing	\$0	\$0	\$0	\$0
92 Fiber- yarn- and thread mills	\$0	\$0	\$0	\$0
93 Broadwoven fabric mills	\$0	\$0	\$1	\$1
94 Narrow fabric mills and schiffli embroidery	\$0	\$0	\$0	\$0
95 Nonwoven fabric mills	\$0	\$0	\$0	\$0
96 Knit fabric mills	\$0	\$0	\$0	\$0
97 Textile and fabric finishing mills	\$0	\$1	\$0	\$2
98 Fabric coating mills	\$0	\$0	\$0	\$0
99 Carpet and rug mills	\$0	\$1	\$1	\$2
100 Curtain and linen mills	\$0	\$19	\$103	\$122
101 Textile bag and canvas mills	\$0	\$0	\$0	\$0
102 Tire cord and tire fabric mills	\$0	\$0	\$0	\$0
103 Other miscellaneous textile product mills	\$0	\$0	\$0	\$0
104 Sheer hosiery mills	\$0	\$0	\$0	\$0
105 Other hosiery and sock mills	\$0	\$0	\$0	\$0
106 Other apparel knitting mills	\$0	\$0	\$0	\$0
107 Cut and sew apparel manufacturing	\$0	\$2	\$95	\$98
108 Accessories and other apparel manufacturing	\$0	\$0	\$0	\$0
109 Leather and hide tanning and finishing	\$0	\$0	\$0	\$0
110 Footwear manufacturing	\$0	\$0	\$0	\$0
111 Other leather product manufacturing	\$0	\$0	\$0	\$0
112 Sawmills	\$0	\$0	\$0	\$0
113 Wood preservation	\$0	\$0	\$0	\$0
114 Reconstituted wood product manufacturing	\$0	\$0	\$0	\$0
115 Veneer and plywood manufacturing	\$0	\$0	\$0	\$0
116 Engineered wood member and truss manufacturing	\$0	\$0	\$0	\$0
117 Wood windows and door manufacturing	\$0	\$0	\$0	\$0
118 Cut stock- resawing lumber- and planing	\$0	\$0	\$0	\$0
119 Other millwork- including flooring	\$0	\$104	\$4	\$108
120 Wood container and pallet manufacturing	\$0	\$0	\$0	\$0
121 Manufactured home- mobile home- manufacturing	\$0	\$0	\$0	\$0
122 Prefabricated wood building manufacturing	\$0	\$0	\$0	\$0
123 Miscellaneous wood product manufacturing	\$0	\$0	\$0	\$0
124 Pulp mills	\$0	\$0	\$0	\$0
125 Paper and paperboard mills	\$0	\$0	\$0	\$0
126 Paperboard container manufacturing	\$0	\$0	\$0	\$0
127 Flexible packaging foil manufacturing	\$0	\$0	\$0	\$0
128 Surface-coated paperboard manufacturing	\$0	\$0	\$0	\$0
129 Coated and laminated paper and packaging materials	\$0	\$0	\$0	\$0
130 Coated and uncoated paper bag manufacturing	\$0	\$0	\$0	\$0
131 Die-cut paper office supplies manufacturing	\$0	\$0	\$0	\$0
132 Envelope manufacturing	\$0	\$0	\$0	\$0

133 Stationery and related product manufacturing	\$0	\$0	\$0	\$0
134 Sanitary paper product manufacturing	\$0	\$0	\$0	\$0
135 All other converted paper product manufacturing	\$0	\$68	\$1	\$69
136 Manifold business forms printing	\$0	\$75	\$3	\$78
137 Books printing	\$0	\$0	\$0	\$0
138 Blankbook and looseleaf binder manufacturing	\$0	\$0	\$0	\$0
139 Commercial printing	\$0	\$11,072	\$319	\$11,391
140 Tradebinding and related work	\$0	\$169	\$11	\$180
141 Prepress services	\$0	\$666	\$21	\$686
142 Petroleum refineries	\$0	\$5,408	\$457	\$5,865
143 Asphalt paving mixture and block manufacturing	\$0	\$0	\$0	\$0
144 Asphalt shingle and coating materials manufacturin	\$0	\$0	\$0	\$0
145 Petroleum lubricating oil and grease manufacturing	\$0	\$0	\$0	\$0
146 All other petroleum and coal products manufacturin	\$0	\$247	\$35	\$282
147 Petrochemical manufacturing	\$0	\$0	\$0	\$0
148 Industrial gas manufacturing	\$0	\$0	\$0	\$0
149 Synthetic dye and pigment manufacturing	\$0	\$0	\$0	\$0
150 Other basic inorganic chemical manufacturing	\$0	\$13	\$4	\$17
151 Other basic organic chemical manufacturing	\$0	\$0	\$0	\$0
152 Plastics material and resin manufacturing	\$0	\$0	\$0	\$0
153 Synthetic rubber manufacturing	\$0	\$0	\$0	\$0
154 Cellulosic organic fiber manufacturing	\$0	\$0	\$0	\$0
155 Noncellulosic organic fiber manufacturing	\$0	\$0	\$0	\$0
156 Nitrogenous fertilizer manufacturing	\$0	\$0	\$0	\$0
157 Phosphatic fertilizer manufacturing	\$0	\$0	\$0	\$0
158 Fertilizer- mixing only- manufacturing	\$0	\$1	\$0	\$1
159 Pesticide and other agricultural chemical manufact	\$0	\$0	\$0	\$0
160 Pharmaceutical and medicine manufacturing	\$0	\$1	\$585	\$586
161 Paint and coating manufacturing	\$0	\$0	\$0	\$0
162 Adhesive manufacturing	\$0	\$2,315	\$144	\$2,458
163 Soap and other detergent manufacturing	\$0	\$52	\$18	\$70
164 Polish and other sanitation good manufacturing	\$0	\$0	\$0	\$0
165 Surface active agent manufacturing	\$0	\$0	\$0	\$0
166 Toilet preparation manufacturing	\$0	\$0	\$0	\$0
167 Printing ink manufacturing	\$0	\$0	\$0	\$0
168 Explosives manufacturing	\$0	\$0	\$0	\$0
169 Custom compounding of purchased resins	\$0	\$0	\$0	\$0
170 Photographic film and chemical manufacturing	\$0	\$0	\$0	\$0
171 Other miscellaneous chemical product manufacturing	\$0	\$0	\$0	\$0
172 Plastics packaging materials- film and sheet	\$0	\$0	\$0	\$0
173 Plastics pipe- fittings- and profile shapes	\$0	\$0	\$0	\$0
174 Laminated plastics plate- sheet- and shapes	\$0	\$0	\$0	\$0
175 Plastics bottle manufacturing	\$0	\$0	\$0	\$0
176 Resilient floor covering manufacturing	\$0	\$28	\$1	\$29
177 Plastics plumbing fixtures and all other plastics	\$0	\$0	\$0	\$0
178 Foam product manufacturing	\$0	\$0	\$0	\$0
179 Tire manufacturing	\$0	\$1	\$0	\$1
180 Rubber and plastics hose and belting manufacturing	\$0	\$0	\$0	\$0
181 Other rubber product manufacturing	\$0	\$0	\$0	\$0
182 Vitreous china plumbing fixture manufacturing	\$0	\$0	\$0	\$0
183 Vitreous china and earthenware articles manufactur	\$0	\$2	\$33	\$35
184 Porcelain electrical supply manufacturing	\$0	\$0	\$0	\$0
185 Brick and structural clay tile manufacturing	\$0	\$0	\$0	\$0
186 Ceramic wall and floor tile manufacturing	\$0	\$0	\$0	\$0
187 Nonclay refractory manufacturing	\$0	\$0	\$0	\$0
188 Clay refractory and other structural clay products	\$0	\$0	\$0	\$0
189 Glass container manufacturing	\$0	\$0	\$0	\$0
190 Glass and glass products- except glass containers	\$0	\$0	\$0	\$0
191 Cement manufacturing	\$0	\$0	\$0	\$0
192 Ready-mix concrete manufacturing	\$0	\$0	\$0	\$0
193 Concrete block and brick manufacturing	\$0	\$0	\$0	\$0
194 Concrete pipe manufacturing	\$0	\$0	\$0	\$0
195 Other concrete product manufacturing	\$0	\$0	\$0	\$0
196 Lime manufacturing	\$0	\$0	\$0	\$0
197 Gypsum product manufacturing	\$0	\$0	\$0	\$0
198 Abrasive product manufacturing	\$0	\$0	\$0	\$0
199 Cut stone and stone product manufacturing	\$0	\$0	\$0	\$0
200 Ground or treated minerals and earths manufacturin	\$0	\$0	\$0	\$0
201 Mineral wool manufacturing	\$0	\$0	\$0	\$0
202 Miscellaneous nonmetallic mineral products	\$0	\$0	\$0	\$0

203 Iron and steel mills	\$0	\$2	\$0	\$2
204 Ferroalloy and related product manufacturing	\$0	\$0	\$0	\$0
205 Iron- steel pipe and tube from purchased steel	\$0	\$0	\$0	\$0
206 Rolled steel shape manufacturing	\$0	\$0	\$0	\$0
207 Steel wire drawing	\$0	\$0	\$0	\$0
208 Alumina refining	\$0	\$0	\$0	\$0
209 Primary aluminum production	\$0	\$0	\$0	\$0
210 Secondary smelting and alloying of aluminum	\$0	\$0	\$0	\$0
211 Aluminum sheet- plate- and foil manufacturing	\$0	\$0	\$0	\$0
212 Aluminum extruded product manufacturing	\$0	\$0	\$0	\$0
213 Other aluminum rolling and drawing	\$0	\$0	\$0	\$0
214 Primary smelting and refining of copper	\$0	\$0	\$0	\$0
215 Primary nonferrous metal- except copper and alumin	\$0	\$0	\$0	\$0
216 Copper rolling- drawing- and extruding	\$0	\$0	\$0	\$0
217 Copper wire- except mechanical- drawing	\$0	\$0	\$0	\$0
218 Secondary processing of copper	\$0	\$0	\$0	\$0
219 Nonferrous metal- except copper and aluminum- shap	\$0	\$0	\$0	\$0
220 Secondary processing of other nonferrous	\$0	\$0	\$0	\$0
221 Ferrous metal foundaries	\$0	\$0	\$0	\$0
222 Aluminum foundries	\$0	\$0	\$0	\$0
223 Nonferrous foundries- except aluminum	\$0	\$0	\$0	\$0
224 Iron and steel forging	\$0	\$0	\$0	\$0
225 Nonferrous forging	\$0	\$0	\$0	\$0
226 Custom roll forming	\$0	\$0	\$0	\$0
227 All other forging and stamping	\$0	\$0	\$0	\$0
228 Cutlery and flatware- except precious- manufacturi	\$0	\$0	\$0	\$0
229 Hand and edge tool manufacturing	\$0	\$0	\$0	\$0
230 Saw blade and handsaw manufacturing	\$0	\$0	\$0	\$0
231 Kitchen utensil- pot- and pan manufacturing	\$0	\$0	\$0	\$0
232 Prefabricated metal buildings and components	\$0	\$0	\$0	\$0
233 Fabricated structural metal manufacturing	\$0	\$8	\$0	\$8
234 Plate work manufacturing	\$0	\$0	\$0	\$0
235 Metal window and door manufacturing	\$0	\$0	\$0	\$0
236 Sheet metal work manufacturing	\$0	\$2	\$0	\$3
237 Ornamental and architectural metal work manufactur	\$0	\$47	\$2	\$48
238 Power boiler and heat exchanger manufacturing	\$0	\$0	\$0	\$0
239 Metal tank- heavy gauge- manufacturing	\$0	\$0	\$0	\$0
240 Metal can- box- and other container manufacturing	\$0	\$0	\$0	\$0
241 Hardware manufacturing	\$0	\$0	\$0	\$0
242 Spring and wire product manufacturing	\$0	\$0	\$0	\$0
243 Machine shops	\$0	\$0	\$0	\$0
244 Turned product and screw- nut- and bolt manufactur	\$0	\$0	\$0	\$0
245 Metal heat treating	\$0	\$0	\$0	\$0
246 Metal coating and nonprecious engraving	\$0	\$0	\$0	\$0
247 Electroplating- anodizing- and coloring metal	\$0	\$0	\$0	\$0
248 Metal valve manufacturing	\$0	\$17	\$1	\$18
249 Ball and roller bearing manufacturing	\$0	\$0	\$0	\$0
250 Small arms manufacturing	\$0	\$0	\$0	\$0
251 Other ordnance and accessories manufacturing	\$0	\$0	\$0	\$0
252 Fabricated pipe and pipe fitting manufacturing	\$0	\$0	\$0	\$0
253 Industrial pattern manufacturing	\$0	\$0	\$0	\$0
254 Enameled iron and metal sanitary ware manufacturin	\$0	\$0	\$0	\$0
255 Miscellaneous fabricated metal product manufacturi	\$0	\$0	\$0	\$0
256 Ammunition manufacturing	\$0	\$0	\$0	\$0
257 Farm machinery and equipment manufacturing	\$0	\$0	\$0	\$0
258 Lawn and garden equipment manufacturing	\$0	\$0	\$0	\$0
259 Construction machinery manufacturing	\$0	\$5	\$0	\$6
260 Mining machinery and equipment manufacturing	\$0	\$0	\$0	\$0
261 Oil and gas field machinery and equipment	\$0	\$5	\$0	\$5
262 Sawmill and woodworking machinery	\$0	\$0	\$0	\$0
263 Plastics and rubber industry machinery	\$0	\$0	\$0	\$0
264 Paper industry machinery manufacturing	\$0	\$0	\$0	\$0
265 Textile machinery manufacturing	\$0	\$0	\$0	\$0
266 Printing machinery and equipment manufacturing	\$0	\$0	\$0	\$0
267 Food product machinery manufacturing	\$0	\$0	\$0	\$0
268 Semiconductor machinery manufacturing	\$0	\$0	\$0	\$0
269 All other industrial machinery manufacturing	\$0	\$0	\$0	\$0
270 Office machinery manufacturing	\$0	\$224	\$24	\$248
271 Optical instrument and lens manufacturing	\$0	\$0	\$0	\$0
272 Photographic and photocopying equipment manufactur	\$0	\$0	\$0	\$0

273 Other commercial and service industry machinery ma	\$0	\$0	\$0	\$0
274 Automatic vending- commercial laundry and dryclean	\$0	\$0	\$0	\$0
275 Air purification equipment manufacturing	\$0	\$0	\$0	\$0
276 Industrial and commercial fan and blower manufactu	\$0	\$0	\$0	\$0
277 Heating equipment- except warm air furnaces	\$0	\$0	\$0	\$0
278 AC- refrigeration- and forced air heating	\$0	\$0	\$0	\$0
279 Industrial mold manufacturing	\$0	\$0	\$0	\$0
280 Metal cutting machine tool manufacturing	\$0	\$0	\$0	\$0
281 Metal forming machine tool manufacturing	\$0	\$0	\$0	\$0
282 Special tool- die- jig- and fixture manufacturing	\$0	\$0	\$0	\$0
283 Cutting tool and machine tool accessory manufactur	\$0	\$0	\$0	\$0
284 Rolling mill and other metalworking machinery	\$0	\$0	\$0	\$0
285 Turbine and turbine generator set units manufactur	\$0	\$6	\$0	\$7
286 Other engine equipment manufacturing	\$0	\$0	\$0	\$0
287 Speed changers and mechanical power transmission e	\$0	\$0	\$0	\$0
288 Pump and pumping equipment manufacturing	\$0	\$0	\$0	\$0
289 Air and gas compressor manufacturing	\$0	\$0	\$0	\$0
290 Measuring and dispensing pump manufacturing	\$0	\$0	\$0	\$0
291 Elevator and moving stairway manufacturing	\$0	\$0	\$0	\$0
292 Conveyor and conveying equipment manufacturing	\$0	\$5	\$0	\$5
293 Overhead cranes- hoists- and monorail systems	\$0	\$3	\$0	\$3
294 Industrial truck- trailer- and stacker manufacturi	\$0	\$0	\$0	\$0
295 Power-driven handtool manufacturing	\$0	\$0	\$0	\$0
296 Welding and soldering equipment manufacturing	\$0	\$0	\$0	\$0
297 Packaging machinery manufacturing	\$0	\$0	\$0	\$0
298 Industrial process furnace and oven manufacturing	\$0	\$0	\$0	\$0
299 Fluid power cylinder and actuator manufacturing	\$0	\$0	\$0	\$0
300 Fluid power pump and motor manufacturing	\$0	\$0	\$0	\$0
301 Scales- balances- and miscellaneous general purpos	\$0	\$0	\$0	\$0
302 Electronic computer manufacturing	\$0	\$0	\$0	\$0
303 Computer storage device manufacturing	\$0	\$0	\$0	\$0
304 Computer terminal manufacturing	\$0	\$3	\$0	\$3
305 Other computer peripheral equipment manufacturing	\$0	\$0	\$0	\$0
306 Telephone apparatus manufacturing	\$0	\$509	\$97	\$606
307 Broadcast and wireless communications equipment	\$0	\$16	\$10	\$26
308 Other communications equipment manufacturing	\$0	\$0	\$0	\$0
309 Audio and video equipment manufacturing	\$0	\$5	\$20	\$25
310 Electron tube manufacturing	\$0	\$0	\$0	\$0
311 Semiconductors and related device manufacturing	\$0	\$4,304	\$91	\$4,395
312 All other electronic component manufacturing	\$0	\$0	\$0	\$0
313 Electromedical apparatus manufacturing	\$0	\$0	\$3	\$3
314 Search- detection- and navigation instruments	\$0	\$0	\$0	\$1
315 Automatic environmental control manufacturing	\$0	\$0	\$0	\$0
316 Industrial process variable instruments	\$0	\$0	\$0	\$0
317 Totalizing fluid meters and counting devices	\$0	\$0	\$0	\$0
318 Electricity and signal testing instruments	\$0	\$2	\$0	\$2
319 Analytical laboratory instrument manufacturing	\$0	\$0	\$0	\$0
320 Irradiation apparatus manufacturing	\$0	\$0	\$0	\$0
321 Watch- clock- and other measuring and controlling	\$0	\$0	\$0	\$0
322 Software reproducing	\$0	\$3,210	\$64	\$3,274
323 Audio and video media reproduction	\$0	\$0	\$0	\$0
324 Magnetic and optical recording media manufacturing	\$0	\$57	\$3	\$60
325 Electric lamp bulb and part manufacturing	\$0	\$0	\$0	\$0
326 Lighting fixture manufacturing	\$0	\$0	\$0	\$0
327 Electric housewares and household fan manufacturin	\$0	\$0	\$0	\$0
328 Household vacuum cleaner manufacturing	\$0	\$0	\$0	\$0
329 Household cooking appliance manufacturing	\$0	\$0	\$0	\$0
330 Household refrigerator and home freezer manufactur	\$0	\$0	\$0	\$0
331 Household laundry equipment manufacturing	\$0	\$0	\$0	\$0
332 Other major household appliance manufacturing	\$0	\$0	\$0	\$0
333 Electric power and specialty transformer manufactu	\$0	\$0	\$0	\$0
334 Motor and generator manufacturing	\$0	\$0	\$0	\$0
335 Switchgear and switchboard apparatus manufacturing	\$0	\$0	\$0	\$0
336 Relay and industrial control manufacturing	\$0	\$0	\$0	\$0
337 Storage battery manufacturing	\$0	\$0	\$0	\$0
338 Primary battery manufacturing	\$0	\$0	\$0	\$0
339 Fiber optic cable manufacturing	\$0	\$0	\$0	\$0
340 Other communication and energy wire manufacturing	\$0	\$121	\$6	\$127
341 Wiring device manufacturing	\$0	\$22	\$1	\$23
342 Carbon and graphite product manufacturing	\$0	\$0	\$0	\$0

343	Miscellaneous electrical equipment manufacturing	\$0	\$0	\$0	\$0
344	Automobile and light truck manufacturing	\$0	\$0	\$0	\$0
345	Heavy duty truck manufacturing	\$0	\$0	\$0	\$0
346	Motor vehicle body manufacturing	\$0	\$0	\$0	\$0
347	Truck trailer manufacturing	\$0	\$0	\$0	\$0
348	Motor home manufacturing	\$0	\$0	\$0	\$0
349	Travel trailer and camper manufacturing	\$0	\$0	\$0	\$0
350	Motor vehicle parts manufacturing	\$0	\$0	\$0	\$0
351	Aircraft manufacturing	\$0	\$0	\$0	\$0
352	Aircraft engine and engine parts manufacturing	\$0	\$1	\$0	\$1
353	Other aircraft parts and equipment	\$0	\$0	\$0	\$0
354	Guided missile and space vehicle manufacturing	\$0	\$0	\$0	\$0
355	Propulsion units and parts for space vehicles and	\$0	\$0	\$0	\$0
356	Railroad rolling stock manufacturing	\$0	\$0	\$0	\$0
357	Ship building and repairing	\$0	\$0	\$0	\$0
358	Boat building	\$0	\$0	\$0	\$0
359	Motorcycle- bicycle- and parts manufacturing	\$0	\$0	\$0	\$0
360	Military armored vehicles and tank parts manufactu	\$0	\$0	\$0	\$0
361	All other transportation equipment manufacturing	\$0	\$0	\$0	\$0
362	Wood kitchen cabinet and countertop manufacturing	\$0	\$5,277	\$286	\$5,564
363	Upholstered household furniture manufacturing	\$0	\$0	\$186	\$186
364	Nonupholstered wood household furniture manufactur	\$0	\$0	\$21	\$22
365	Metal household furniture manufacturing	\$0	\$0	\$0	\$0
366	Institutional furniture manufacturing	\$0	\$0	\$0	\$0
367	Other household and institutional furniture	\$0	\$0	\$0	\$0
368	Wood office furniture manufacturing	\$0	\$0	\$0	\$0
369	Custom architectural woodwork and millwork	\$0	\$0	\$0	\$0
370	Office furniture- except wood- manufacturing	\$0	\$0	\$0	\$1
371	Showcases- partitions- shelving- and lockers	\$0	\$0	\$0	\$0
372	Mattress manufacturing	\$0	\$0	\$0	\$0
373	Blind and shade manufacturing	\$0	\$0	\$0	\$0
374	Laboratory apparatus and furniture manufacturing	\$0	\$0	\$0	\$0
375	Surgical and medical instrument manufacturing	\$0	\$0	\$0	\$0
376	Surgical appliance and supplies manufacturing	\$0	\$0	\$0	\$0
377	Dental equipment and supplies manufacturing	\$0	\$0	\$0	\$0
378	Ophthalmic goods manufacturing	\$0	\$0	\$0	\$0
379	Dental laboratories	\$0	\$0	\$37	\$37
380	Jewelry and silverware manufacturing	\$0	\$19	\$67	\$86
381	Pipeline transportation	\$0	\$0	\$0	\$0
382	Doll- toy- and game manufacturing	\$0	\$0	\$0	\$0
383	Office supplies- except paper- manufacturing	\$0	\$10	\$4	\$14
384	Sign manufacturing	\$0	\$346	\$4	\$349
385	Gasket- packing- and sealing device manufacturing	\$0	\$0	\$0	\$0
386	Musical instrument manufacturing	\$0	\$0	\$2	\$2
387	Broom- brush- and mop manufacturing	\$0	\$1	\$0	\$1
388	Burial casket manufacturing	\$0	\$0	\$0	\$0
389	Buttons- pins- and all other miscellaneous manufac	\$0	\$8	\$3	\$11
390	Wholesale trade	\$0	\$54,438	\$21,772	\$76,210
391	Air transportation	\$0	\$3,709	\$606	\$4,315
392	Rail transportation	\$0	\$7,540	\$1,621	\$9,160
393	Water transportation	\$0	\$283	\$275	\$558
394	Truck transportation	\$0	\$4,974	\$989	\$5,963
395	Transit and ground passenger transportation	\$0	\$5,332	\$945	\$6,278
396	Pipeline transportation	\$0	\$0	\$0	\$0
397	Scenic and sightseeing transportation and support	\$0	\$3,280	\$622	\$3,903
398	Postal service	\$0	\$194,810	\$7,255	\$202,064
399	Couriers and messengers	\$0	\$68,174	\$979	\$69,153
400	Warehousing and storage	\$0	\$36,586	\$271	\$36,857
401	Motor vehicle and parts dealers	\$0	\$3,598	\$2,386	\$5,983
402	Furniture and home furnishings stores	\$0	\$7,728	\$4,214	\$11,942
403	Electronics and appliance stores	\$0	\$541	\$257	\$798
404	Building material and garden supply stores	\$0	\$13,836	\$7,702	\$21,538
405	Food and beverage stores	\$5,844,009	\$14,437	\$9,494	\$5,867,940
406	Health and personal care stores	\$0	\$17,214	\$9,299	\$26,513
407	Gasoline stations	\$0	\$3,088	\$1,746	\$4,834
408	Clothing and clothing accessories stores	\$0	\$12,728	\$9,022	\$21,749
409	Sporting goods- hobby- book and music stores	\$0	\$6,307	\$3,903	\$10,209
410	General merchandise stores	\$0	\$5,570	\$3,667	\$9,237
411	Miscellaneous store retailers	\$0	\$9,338	\$6,149	\$15,487
412	Nonstore retailers	\$0	\$3,917	\$2,216	\$6,133

413 Newspaper publishers	\$0	\$155,078	\$2,290	\$157,368
414 Periodical publishers	\$0	\$77,656	\$1,634	\$79,290
415 Book publishers	\$0	\$442	\$303	\$745
416 Database- directory- and other publishers	\$0	\$4,946	\$206	\$5,152
417 Software publishers	\$0	\$87	\$739	\$826
418 Motion picture and video industries	\$0	\$23,144	\$2,340	\$25,484
419 Sound recording industries	\$0	\$596	\$453	\$1,049
420 Radio and television broadcasting	\$0	\$272,152	\$4,446	\$276,598
421 Cable networks and program distribution	\$0	\$2,920	\$1,836	\$4,756
422 Telecommunications	\$0	\$125,208	\$10,360	\$135,568
423 Information services	\$0	\$21,553	\$847	\$22,400
424 Data processing services	\$0	\$24,507	\$364	\$24,871
425 Nondepository credit intermediation and related a	\$0	\$398,486	\$15,432	\$413,918
426 Securities- commodity contracts- investments	\$0	\$128,547	\$34,253	\$162,800
427 Insurance carriers	\$0	\$47,764	\$26,151	\$73,915
428 Insurance agencies- brokerages- and related	\$0	\$12,277	\$6,836	\$19,113
429 Funds- trusts- and other financial vehicles	\$0	\$296	\$8,705	\$9,000
430 Monetary authorities and depository credit interme	\$0	\$107,809	\$20,663	\$128,472
431 Real estate	\$0	\$598,115	\$24,412	\$622,527
432 Automotive equipment rental and leasing	\$0	\$1,318	\$194	\$1,512
433 Video tape and disc rental	\$0	\$29	\$372	\$401
434 Machinery and equipment rental and leasing	\$0	\$13,514	\$423	\$13,936
435 General and consumer goods rental except video tap	\$0	\$10,003	\$733	\$10,737
436 Lessors of nonfinancial intangible assets	\$0	\$382	\$10	\$392
437 Legal services	\$0	\$213,895	\$24,917	\$238,812
438 Accounting and bookkeeping services	\$0	\$299,387	\$8,643	\$308,030
439 Architectural and engineering services	\$0	\$66,684	\$3,966	\$70,650
440 Specialized design services	\$0	\$48,769	\$911	\$49,679
441 Custom computer programming services	\$0	\$4,298	\$132	\$4,430
442 Computer systems design services	\$0	\$110,593	\$3,266	\$113,859
443 Other computer related services- including facilit	\$0	\$7,566	\$284	\$7,850
444 Management consulting services	\$0	\$346,103	\$8,139	\$354,242
445 Environmental and other technical consulting servi	\$0	\$27,697	\$1,203	\$28,900
446 Scientific research and development services	\$0	\$18,473	\$4,357	\$22,830
447 Advertising and related services	\$0	\$695,197	\$6,927	\$702,124

448 Photographic services	\$0	\$1,416	\$313	\$1,729
449 Veterinary services	\$0	\$212	\$2,623	\$2,835
450 All other miscellaneous professional and technical	\$0	\$14,158	\$707	\$14,865
451 Management of companies and enterprises	\$0	\$1,747,303	\$12,861	\$1,760,163
452 Office administrative services	\$0	\$97,022	\$3,044	\$100,066
453 Facilities support services	\$0	\$6,445	\$206	\$6,651
454 Employment services	\$0	\$386,180	\$11,389	\$397,570
455 Business support services	\$0	\$88,335	\$2,665	\$91,000
456 Travel arrangement and reservation services	\$0	\$5,254	\$1,533	\$6,786
457 Investigation and security services	\$0	\$57,665	\$1,624	\$59,289
458 Services to buildings and dwellings	\$0	\$139,212	\$6,217	\$145,429
459 Other support services	\$0	\$19,963	\$336	\$20,298
460 Waste management and remediation services	\$0	\$11,124	\$491	\$11,615
461 Elementary and secondary schools	\$0	\$0	\$12,386	\$12,386
462 Colleges- universities- and junior colleges	\$0	\$25,913	\$31,945	\$57,859
463 Other educational services	\$0	\$4,671	\$6,906	\$11,577
464 Home health care services	\$0	\$0	\$5,499	\$5,499
465 Offices of physicians- dentists- and other health	\$0	\$0	\$76,918	\$76,918
466 Other ambulatory health care services	\$0	\$101	\$16,512	\$16,613
467 Hospitals	\$0	\$0	\$120,613	\$120,613
468 Nursing and residential care facilities	\$0	\$0	\$33,766	\$33,766
469 Child day care services	\$0	\$0	\$8,702	\$8,702
470 Social assistance- except child day care services	\$0	\$108	\$25,656	\$25,764
471 Performing arts companies	\$0	\$3,289	\$1,589	\$4,878
472 Spectator sports	\$0	\$42,720	\$3,110	\$45,830
473 Independent artists- writers- and performers	\$0	\$4,250	\$227	\$4,477
474 Promoters of performing arts and sports and agents	\$0	\$5,933	\$1,246	\$7,179
475 Museums- historical sites- zoos- and parks	\$0	\$0	\$2,286	\$2,286
476 Fitness and recreational sports centers	\$0	\$6,103	\$2,598	\$8,701
477 Bowling centers	\$0	\$0	\$2	\$2
478 Other amusement- gambling- and recreation industri	\$0	\$1,170	\$3,282	\$4,452
479 Hotels and motels- including casino hotels	\$0	\$99,593	\$11,051	\$110,643
480 Other accommodations	\$0	\$218	\$1,779	\$1,997
481 Food services and drinking places	\$0	\$107,905	\$60,956	\$168,861
482 Car washes	\$0	\$2,531	\$397	\$2,929
483 Automotive repair and maintenance- except car wash	\$0	\$3,720	\$1,898	\$5,618
484 Electronic equipment repair and maintenance	\$0	\$2,390	\$94	\$2,484
485 Commercial machinery repair and maintenance	\$0	\$6,349	\$117	\$6,466
486 Household goods repair and maintenance	\$0	\$1,879	\$266	\$2,145
487 Personal care services	\$0	\$0	\$6,900	\$6,900
488 Death care services	\$0	\$0	\$1,203	\$1,203
489 Drycleaning and laundry services	\$0	\$9,892	\$2,453	\$12,345
490 Other personal services	\$0	\$2,763	\$2,852	\$5,615
491 Religious organizations	\$0	\$0	\$3,794	\$3,794
492 Grantmaking and giving and social advocacy organiz	\$0	\$0	\$10,683	\$10,683
493 Civic- social- professional and similar organizati	\$0	\$63,914	\$18,725	\$82,638
494 Private households	\$0	\$0	\$10,366	\$10,366
495 Federal electric utilities	\$0	\$0	\$0	\$0
496 Other Federal Government enterprises	\$0	\$84,690	\$31,603	\$116,293
497 State and local government passenger transit	\$0	\$39,646	\$7,030	\$46,676
498 State and local government electric utilities	\$0	\$0	\$0	\$0
499 Other State and local government enterprises	\$0	\$60,786	\$10,850	\$71,635
500 Noncomparable imports	\$0	\$0	\$0	\$0
501 Scrap	\$0	\$0	\$0	\$0
502 Used and secondhand goods	\$0	\$0	\$0	\$0
503 State & Local Education	\$0	\$0	\$0	\$0
504 State & Local Non-Education	\$0	\$0	\$0	\$0
505 Federal Military	\$0	\$0	\$0	\$0
506 Federal Non-Military	\$0	\$0	\$0	\$0
507 Rest of the world adjustment to final uses	\$0	\$0	\$0	\$0
508 Inventory valuation adjustment	\$0	\$0	\$0	\$0
509 Owner-occupied dwellings	\$0	\$0	\$0	\$0
25001 Foreign Trade	\$0	\$0	\$0	\$0
28001 Domestic Trade	\$0	\$0	\$0	\$0
<b>Total</b>	<b>\$5,844,009</b>	<b>\$7,684,316</b>	<b>\$920,075</b>	<b>\$14,448,400</b>
<b>% Proprietary</b>	<b>3.8%</b>	<b>8.7%</b>	<b>5.9%</b>	<b>6.5%</b>

Source: MIG; Economics Research Associates, 2008.

Appendix Table 9: Food &amp; Beverage Stores (405) - Tax Impact

		Employee Compensation	Proprietary Income	Household Expenditures	Enterprises (Corporations)	Indirect Business Taxes	Total
Enterprises (Corporations)	Transfers	13,625	-	-	-	-	13,625
	Total	13,625	-	-	-	-	13,625
Federal Government Non-Defense	Corporate Profits Tax	-	-	-	438,339	-	438,339
	Indirect Bus Tax: Custom Duty	-	-	-	-	117,975	117,975
	Indirect Bus Tax: Excise Taxes	-	-	-	-	318,009	318,009
	Indirect Bus Tax: Fed NonTaxes	-	-	-	-	144,165	144,165
	Personal Tax: Estate and Gift Tax	-	-	-	-	-	-
	Personal Tax: Income Tax	-	-	490,734	-	-	490,734
	Personal Tax: NonTaxes (Fines- Fees)	-	-	-	-	-	-
	Social Ins Tax- Employee Contribution	566,854	43,021	-	-	-	609,876
	Social Ins Tax- Employer Contribution	575,248	-	-	-	-	575,248
	Total	1,142,103	43,021	490,734	438,339	580,149	2,694,346
State/Local Govt NonEducation	Corporate Profits Tax	-	-	-	87,904	-	87,904
	Dividends	-	-	-	24,127	-	24,127
	Indirect Bus Tax: Motor Vehicle Lic	-	-	-	-	14,606	14,606
	Indirect Bus Tax: Other Taxes	-	-	-	-	819,066	819,066
	Indirect Bus Tax: Property Tax	-	-	-	-	1,857,734	1,857,734
	Indirect Bus Tax: S/L NonTaxes	-	-	-	-	17,013	17,013
	Indirect Bus Tax: Sales Tax	-	-	-	-	1,837,841	1,837,841
	Personal Tax: Estate and Gift Tax	-	-	-	-	-	-
	Personal Tax: Income Tax	-	-	189,852	-	-	189,852
	Personal Tax: Motor Vehicle License	-	-	2,972	-	-	2,972
	Personal Tax: NonTaxes (Fines- Fees)	-	-	98,806	-	-	98,806
	Personal Tax: Other Tax (Fish/Hunt)	-	-	-	-	-	-
	Personal Tax: Property Taxes	-	-	3,451	-	-	3,451
	Social Ins Tax- Employee Contribution	2,232	-	-	-	-	2,232
	Social Ins Tax- Employer Contribution	8,932	-	-	-	-	8,932
	Total	11,164	-	295,081	112,031	4,546,259	4,964,534
Total		1,166,892	43,021	785,815	550,370	5,126,408	7,672,506

Source: MIG; Economics Research Associates, 2008.